STR-AV53

SERVICE MANUAL

US Model

STR-AV53 is similar to the earlier STR-AV770X (US model). Refer to the STR-AV770X service manual for information not contained in this service manual.

PARTS LIST

STR-AV770X			STR-AV53	
Page	No.	Part No.	Part No.	Description
30	5	A-4325-070-A	A-4325-554-A	PANEL ASSY FRONT
31	60	4-943-853-01	*4-943-853-51	PANEL BACK
ACCESSORYS AND PACKING MATERIALS **********				
Page		Part No.	Part No.	Description
44		3-753-197-21	3-754-814-21	MANUAL, INSTRUCTION (English)
		*4-945-406-01	*4-950-279-01	INDIVIDUAL CARTON

● Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

FM STEREO/FM-AM RECEIVER

SONY®

English
92C1832-1
Printed in Japan

© 1992.3

Published by Customer Relations and Service Group

Sony Corporation
Audio Group

9-957-149-11

STR-AV770X

SERVICE MANUAL

US Model
Canadian Model
UK Model

SPECIFICATIONS

Amplifier section

Rated power output	8 ohms, at 20 Hz — 20 kHz	80 + 80 watts
	4 ohms, at 1 kHz IHF	90 + 90 watts
Harmonic distortion at rated output		Less than 0.08%
Intermodulation (IM) distortion at rated output		Less than 0.08%
Power output of surround amplifier (8 ohms, at 1 kHz)		20 watts (10 + 10 watts)
Frequency response	PHONO RIAA	equalization curve ±0.5 dB
	CD, DAT, TAPE 1,2 VIDEO 1,2	10 Hz — 50 kHz $^{+0}_{-3}$ dB
Residual noise		Less than 80μV
Damping factor (8 ohms, at 1 kHz)		40
Input sensitivity/ impedance	PHONO MM	2.5 mV, 50 kilohms
	DAT,CD, VIDEO 1,2 TAPE 1,2	150 mV 50 kilohms
S/N	PHONO MM	87 dB 79 dB* (A,2.5mV)
	DAT, CD VIDEO 1,2 TAPE 1,2	105 dB 85 dB* (A,150mV)
Output sensitivity/ impedance	DAT OUT, TAPE OUT 1,2 VIDEO 1	150 mV 10 kilohms
	SPEAKERS	Accepts seakers of 8 — 16 ohms
	HEADPHONES	Accepts headphones of high and low impedance
TONE controls		BASS: ±10dB at 100 Hz TREBLE: ±10dB at 10 kHz
Muting		-20dB
DBFB		+10 dB (70 Hz)

* '78IHF

FM tuner section

Frequency range		87.5 — 108.0 MHz
Antenna terminals		300 ohms, balanced 75 ohms, unbalanced
Sensitivity at 50 dB (75 Ω)		18.3 dBf, 2.2 μV (mono) 38.3 dBf, 22.5 μV (stereo)
Usable sensitivity (75 Ω)		11.2 dBf, 2 μV (IHF)
S/N	Mono	70 dB
	Stereo	66 dB
Harmonic distortion at 1 kHz	Mono	0.3 %
	Stereo	0.5 %
IM distortion	Mono	0.3 %
	Stereo	0.5 %
Separation		45 dB at 1 kHz
Frequency response		30 Hz — 15 kHz $^{+0}_{-2}$ dB
Selectivity		60 dB at 400 kHz
Capture ratio		1.2 dB
AM suppression ratio		54 dB
Image response ratio		70 dB
IF response ratio		70 dB
Spurious response ratio		80 dB
RF intermodulation at 800 kHz		60 dB
Auto tuning threshold	Low	30 dBf
	High	50 dBf

— Continued on next page —

使用時は添付資料も参照のこと
Refer to the additional documents

FM STEREO/FM-AM RECEIVER

SONY®

AM tuner section

Frequency range	US, Canadian model: 530 – 1,710 kHz UK model: 531 – 1,602 kHz
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	35 dB (9 kHz), 40 dB (10 kHz)
Auto tuning threshold	55 dB/m

Video section

Inputs	VIDEO 1,2: 1 Vp-p 75 ohms
Outputs	VIDEO 1, MONITOR: 1 Vp-p 75 ohms

General

System	Tuner section	PLL quartz-locked digital synthesizer system
	Preamplifier section	Low-noise NF type equalizer
	Power amplifier section	Quasi-complimentary SEPP
Power requirements		US, Canadian model: 120 VAC, 60 Hz UK model: 240 VAC, 50 Hz
Power consumption		200 watts
AC outlets		One switched, total 100 W Max
Dimensions		430 × 135 × 355 mm (17 × 5 3/8 × 14 inches)
Weight		9.7 kg (21 lb 6 oz)

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4. EXPLODED VIEWS 30

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

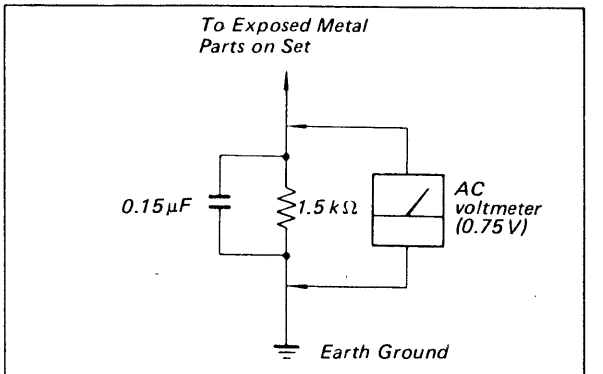


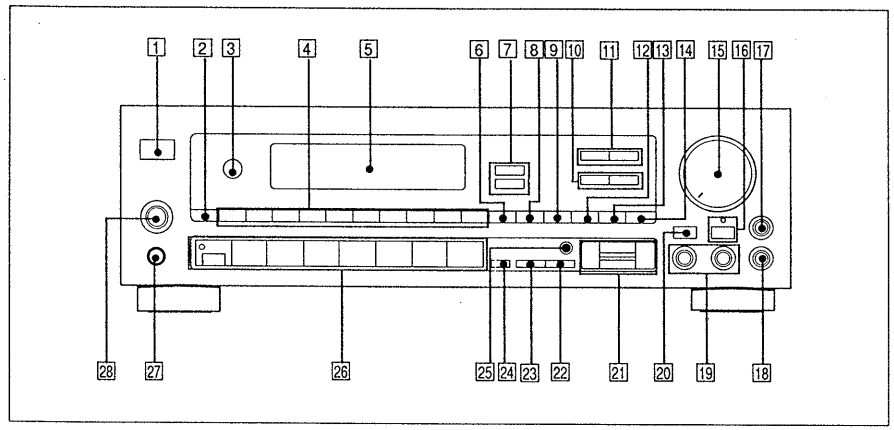
Fig. A. Using an AC voltmeter to check AC leakage.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Parts Identification

Front Panel



1 POWER switch

2 SHIFT button

3 Remote control sensor

4 Numeric buttons

5 Display window

6 MEMORY button

7 CURSOR MODE indicators

8 FM MODE button

9 FM/AM button

10 PRESET TUNING +/– buttons

11 INDEX SELECT/ TUNING +/– buttons

12 TUNING DIRECT button

13 TUNING LEVEL button

14 DISPLAY mode button (FREQ/INDEX)

15 VOLUME control

16 MUTING switch and Indicator

17 INPUT BALANCE control

18 BALANCE control

19 BASS/TREBLE TONE controls

20 DBFB (Dynamic Bass Feed Back) button

21 CURSOR MODE operation buttons

22 SURROUND MODE selector

23 SURROUND ON/OFF button

24 EDIT AUDIO button

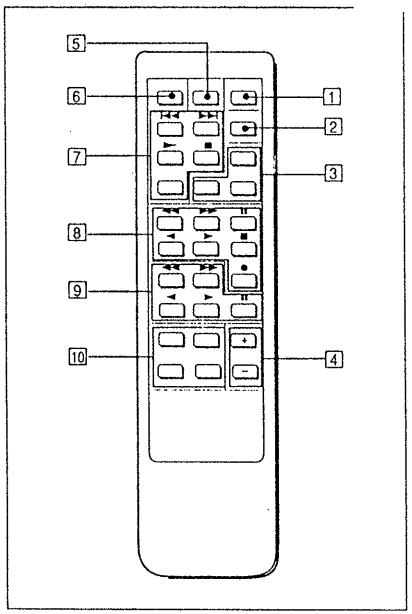
25 CURSOR MODE switch

26 Function selectors and TAPE 2 MONITOR indicator

27 HEADPHONES jack

28 SPEAKERS selector

Remote Commander RM-S103 US, Canadian model



1 POWER button

2 DBFB button

3 TUNER PRESET +/– and SHIFT buttons

4 VOLUME +/– buttons

5 SURROUND button

6 MUTING button

7 **CD player operation buttons**
D. (disc) SKIP: When your CD player is equipped with a multi-disc changer, use this button to select loaded disc.
CD ►: Selects the CD function and starts CD playback.

8 **DECK B operation buttons** (also for single tape deck)
DECK B ◄/►: Select tape function and start tape playback on deck B.

9 **DECK A operation buttons**
DECK A ◄/►: Select tape function and start tape playback on deck A.

10 Function select buttons

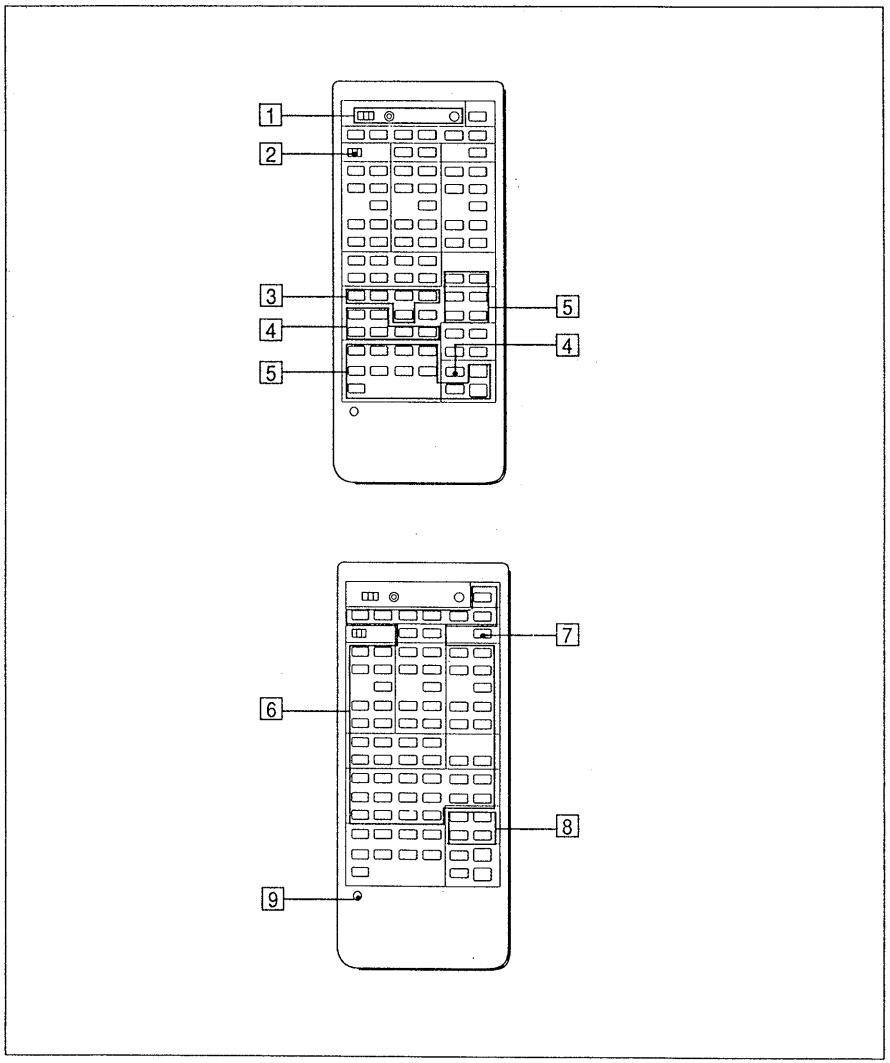
Notes on the remote commander
For the functions other than the receiver's own ones, the remote commander is effective only with Sony components having a remote sensor with a ☐ mark.

This section is extracted from instruction manual.

SECTION 1
GENERAL

STR-AV770X

Remote Commander RM-P311 UK model



Parts identification

1 Program control section
Mode selector and indicator (page 24)
SONY STD: To control Sony equipment.
USER STD: To control equipment whose remote control functions are stored.
LEARN: To store functions of other remote commanders emitting infrared rays.
PROGRAM CLEAR button: Clears the stored functions.

2 MODE selector
1: To select the functions indicated in light gray such as DECK, DAT, CD player and CURSOR/ SURROUND mode of the receiver.
2: To select the functions indicated in blue such as VTR, LDP (Laser disc player) and TV.

3 Cursor control section
CURSOR operation buttons
MODE button: Selects cursor mode.

4 Sound control section
SURROUND buttons
ON/OFF: Turns on/off the surround mode.
MODE: Selects the surround mode.
T. (test) TONE: Generates a pink noise signal that is sent in succession to each speaker.
EQ (equalizer) ON/OFF button: Turns on/off the equalizer.
S.(sound) FIELD buttons
MODE: Selects sound field mode.
USER/PRESET button: This button does not operate.
DDS/DBFB button: Turns on/off the DBFB (Dynamic Bass Feed Back). (DDS function is not available with this receiver.)

5 Amplifier section
FUNCTION selectors: Select an input source of the receiver. (The VIDEO 3 button does not operate on this receiver.)
DIGITAL button : This button does not operate.
REAR LEVEL +/– buttons: Control the volume of rear speakers (surround level).
MUTING button: Mutes the sound.
MASTER VOL +/– buttons: Control the receiver volume.
CENTER LEVEL +/– buttons : Control the volume of center speaker (surround level).
ON SCREEN buttons
ON/OFF button: This button does not operate.
TITLER ON/OFF button: This button does not operate.

6 Control for other equipment
Power control block
SYSTEM OFF button: Turns off the power of the whole system: LDP, VTR, TV and AUDIO.
LDP/VTR/TV/AUDIO POWER buttons: Control the power of each unit.

CDP/LDP control block
D (disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)
►: Starts play.
I◄◄/►►I: Locates a desired selection
■: Stops play.
◄◄/►►: Manual search
II: Pause

TAPE/DAT/VTR control block
ANT TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.
VTR CH +/– buttons: Select channel on the VCR.
◄◄/►►: fast winding
■: Stop
◄/►: Play
II: Pause
●: Recording
REC MODE REV/FWD buttons :
For reverse recording, press REV and ● together.
For forward recording, press FWD and ● together.

TV control block
TV/VIDEO selector: Selects the program to see : TV or VIDEO.
VOL +/– buttons: Control the TV volume.
CH +/– buttons: Select a preset channel.
Program number (1 to 0) and ENTER buttons: Select the channel.

7 SLEEP button
Set to the SLEEP timer mode. In this mode, the unit is automatically turned off after 60 minutes.

8 Tuner section
INDEX SELECT and INDEX buttons: Select an indexed preset station.
TUNER SHIFT and PRESET +/– buttons: Select a preset station.

9 RESET button
Reset the commander to the initial state.

Note on the ● (recording) button under 6 TAPE/DAT/VTR buttons
If your recorder is of such type as pressing ● puts it in recording pause mode, first press ● on this commander and then II.

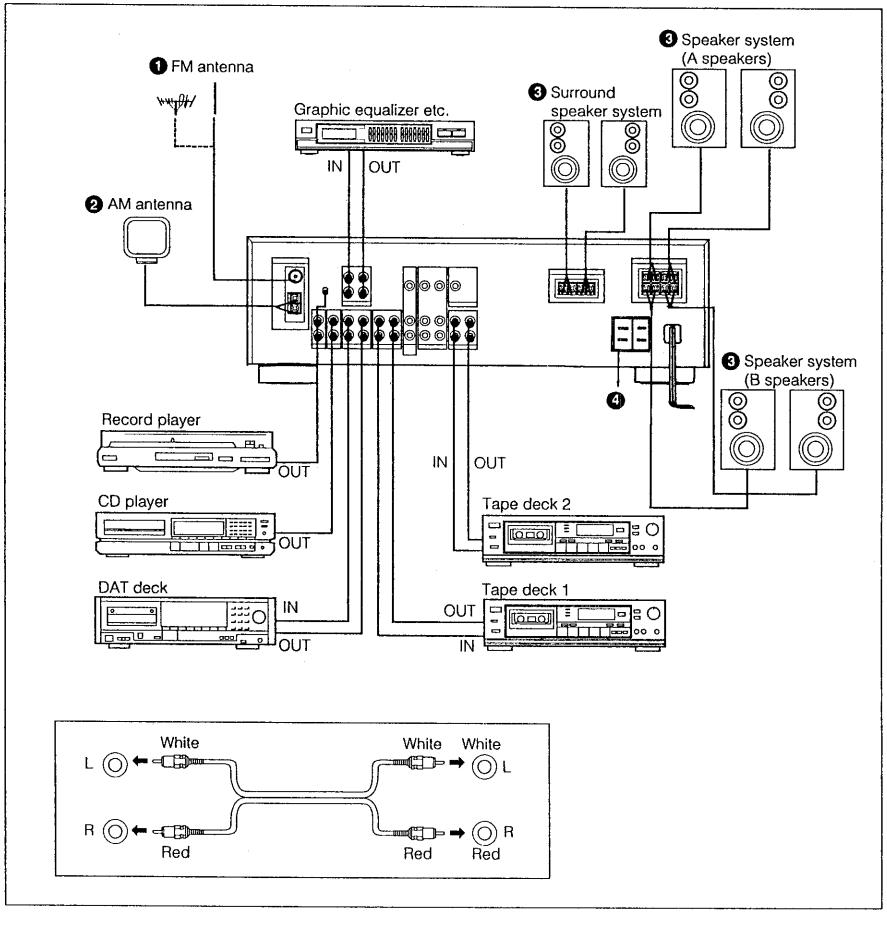
Note:
The ◄/► (play) buttons in 6 and the SHIFT button and PRESET +/– buttons in 8 can function without pressing one of the FUNCTION buttons in 5, if the CD player is connected to the CD jacks, the tape deck to the TAPE jacks and the video deck to the VIDEO 1 jacks.

Connections

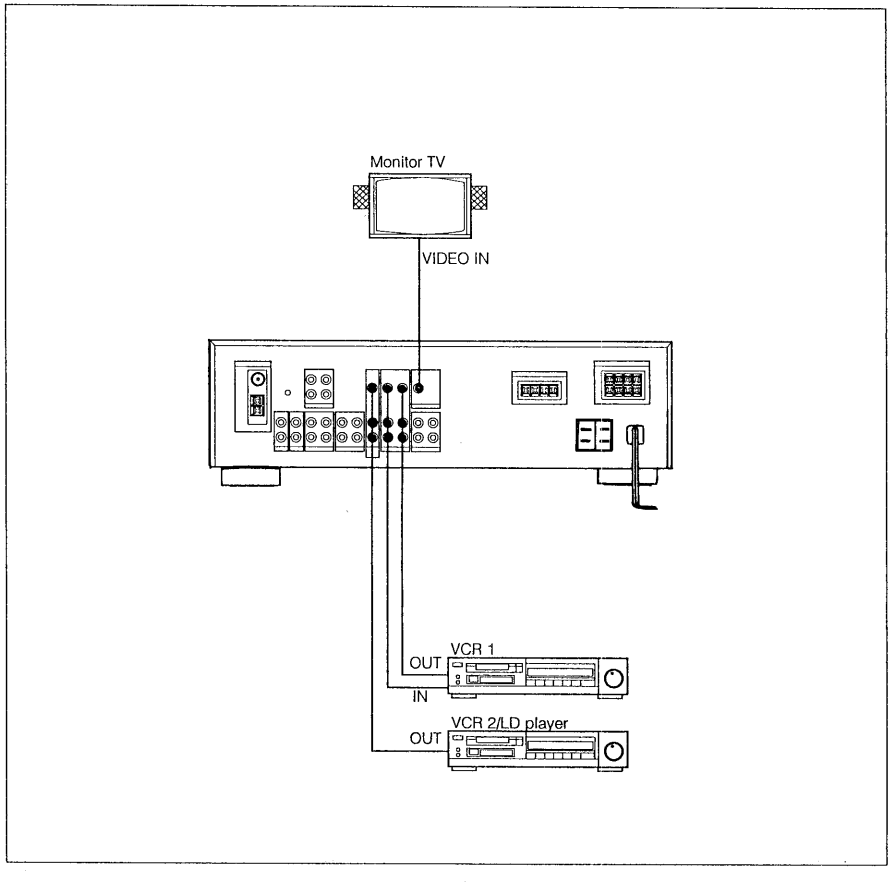
Notes on Connections

- Do not connect the power cord to an AC outlet nor press the POWER switch before accomplishing all other connections.
- The cable connectors should be fully inserted into the jacks. Loose connection may cause hum and noise.
- Jacks and plugs of the connecting cord are color-coded as follows:
  Red jacks and plugs: For the right channel of audio signals
  White jacks and plugs: For the left channel of audio signals
  Yellow jacks and plugs: For video signals

Connecting Audio Equipment



Connecting Video Equipment

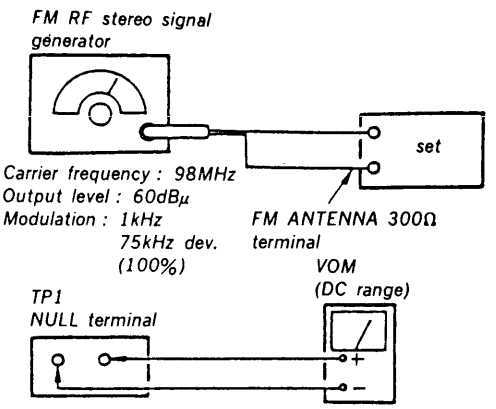


SECTION 2
ELECTRICAL ADJUSTMENTS

FM SECTION

• FM Discriminator (NULL) Adjustment

Setting :



Procedure :

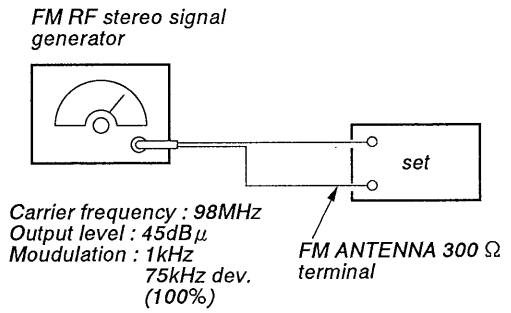
1. Tune the set to 98MHz.
2. Adjust T21 for 0V reading on the VOM.

Note : FM Tuning Level adjustment should be made after FM discriminator adjustment.

• Tuning H/L Adjustment

A. Tuning "High" Level Adjustment

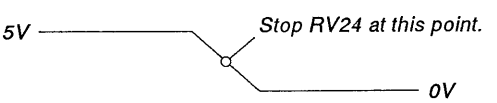
Setting :



Procedure :

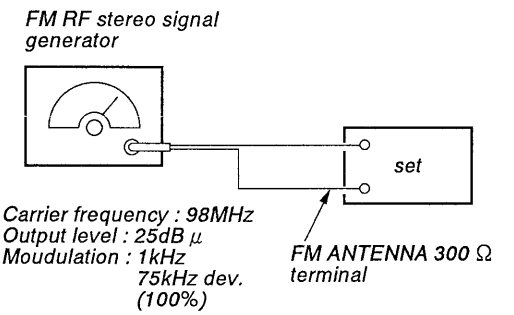
1. Short-circuit between the emittor and the collector of Q25.
2 Tune the set to 98MHz.
3. Connect VTVM or oscilloscope to Pin ⑥ of CNJ1.
4. Adjust RV24 to the point just before the voltage value changes 5V to 0V dc on VTVM or oscilloscope,

EX.) Oscilloscope



B. Tuning "Low" Level Adjustment

Setting :



Procedure :

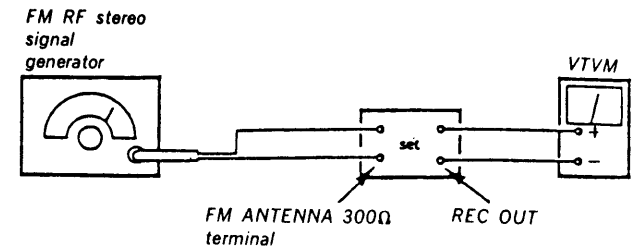
1. Release the short-circuit position between the emitter and the collector of Q25.
2. Tune the set to 98MHz.
3. Connect VTVM or oscilloscope to Pin ⑥ of CNJ1.
4. Adjust RV25 to the point just before the voltage value changes 5V to 0V on VTVM or oscilloscope.

C. Confirmation

1. Set FM RF stereo signal generation output 37dBμ 98MHz.
2. Scan the frequency in the mode TUNE "LOW", and confirm the scanning stops at 98MHz.
3. Scan the frequency in the mode TUNE "HIGH", and confirm the scanning doesn't stop at 98MHz.
4. Set FM RF stereo signal generatior output 57dBμ 98MHz. Confirm the scanning stops at 98MHz.

• FM Stereo Separation Adjustment

Setting :



Carrier frequency : 98MHz
Output level : 60dBμ
Modulation :
Audio (1kHz) : 33.75kHz dev. (45%)
Pilot (19kHz) : 7.5kHz dev. (10%)
Sub-channel (38kHz) : 33.75kHz dev. (45%)

Procedure :

Tune the set to 98MHz.

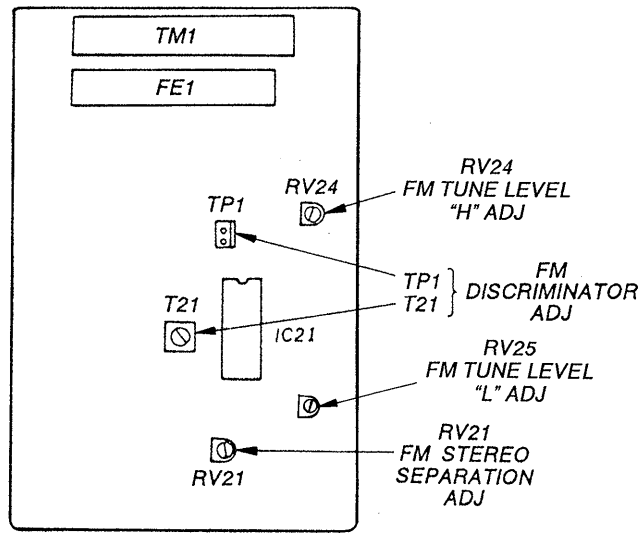
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV21 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV21 for minimum reading.

L-CH Stereo separation : Ⓐ − Ⓑ

R-CH Stereo separation : Ⓒ − Ⓓ

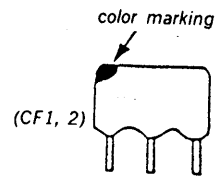
The separations of both channels should be equal.

• Adjustments Parts Location



Note on Ceramic Filter (CF1, 2) Replacement.

This set employs two ceramic filters (CF1, 2) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by (* A, * B) connection is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



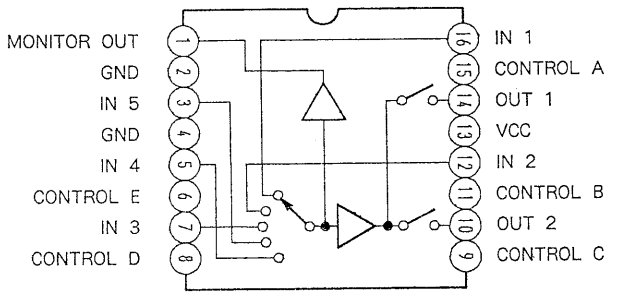
○ : short

× : open

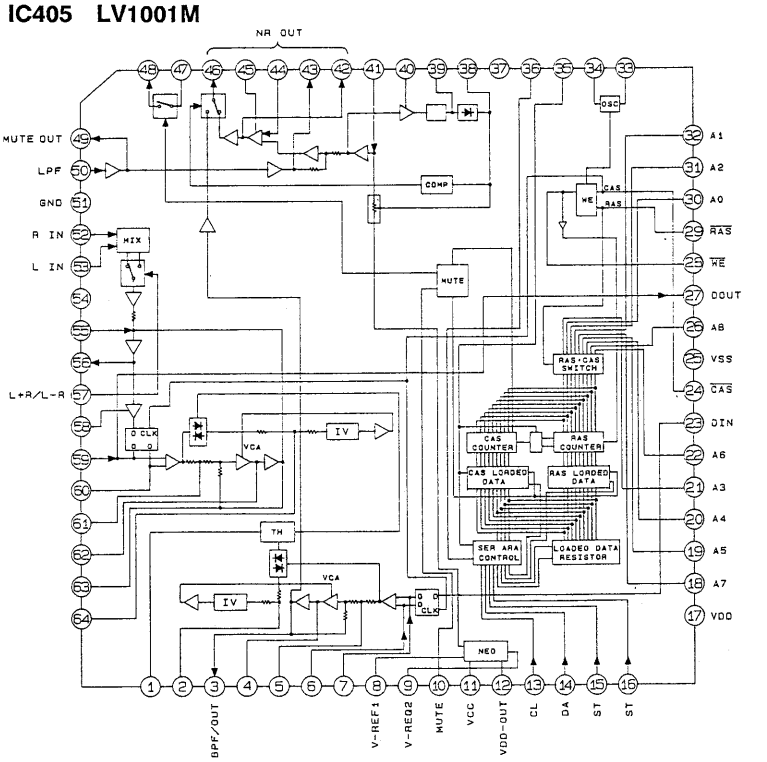
Ceramic filter		Connection		FM intermediate frequency (MHz)
Color mark	Center frequency (MHz)	* A (D326)	* B (D327)	
White	10.750	×	○	10.750
Red	10.700	×	×	10.700
Black	10.650	○	○	10.650

• Main Section IC Block Diagrams

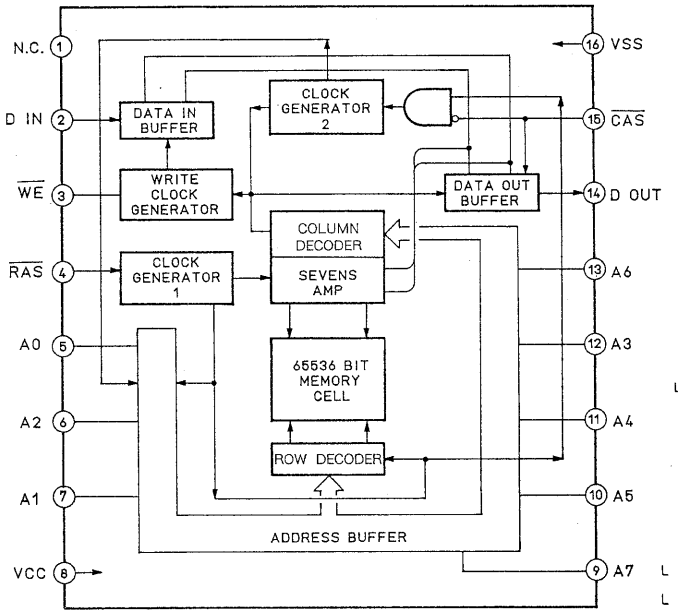
IC251 BA7625



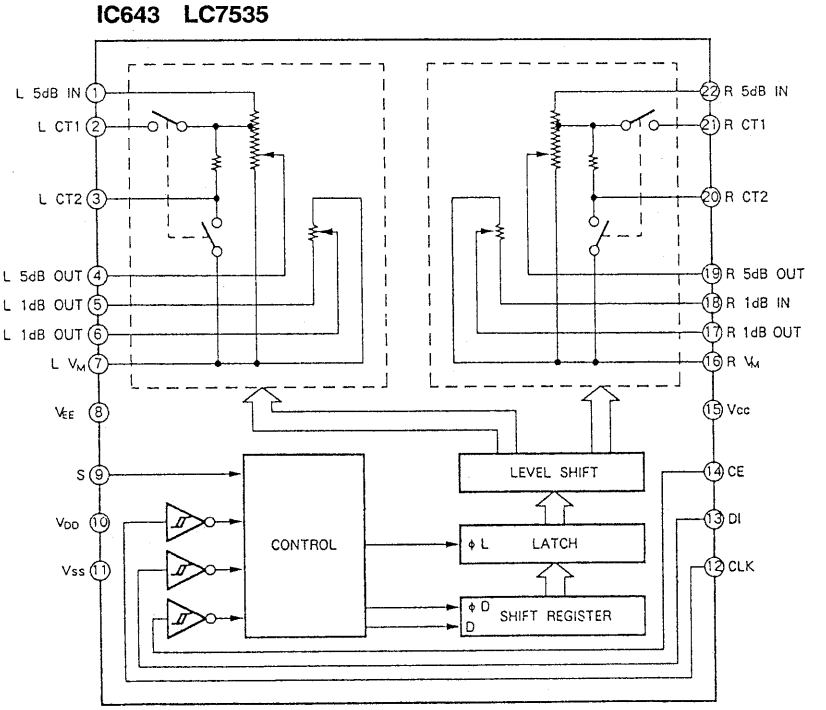
IC405 LV1001M



IC406 LM3364K-15

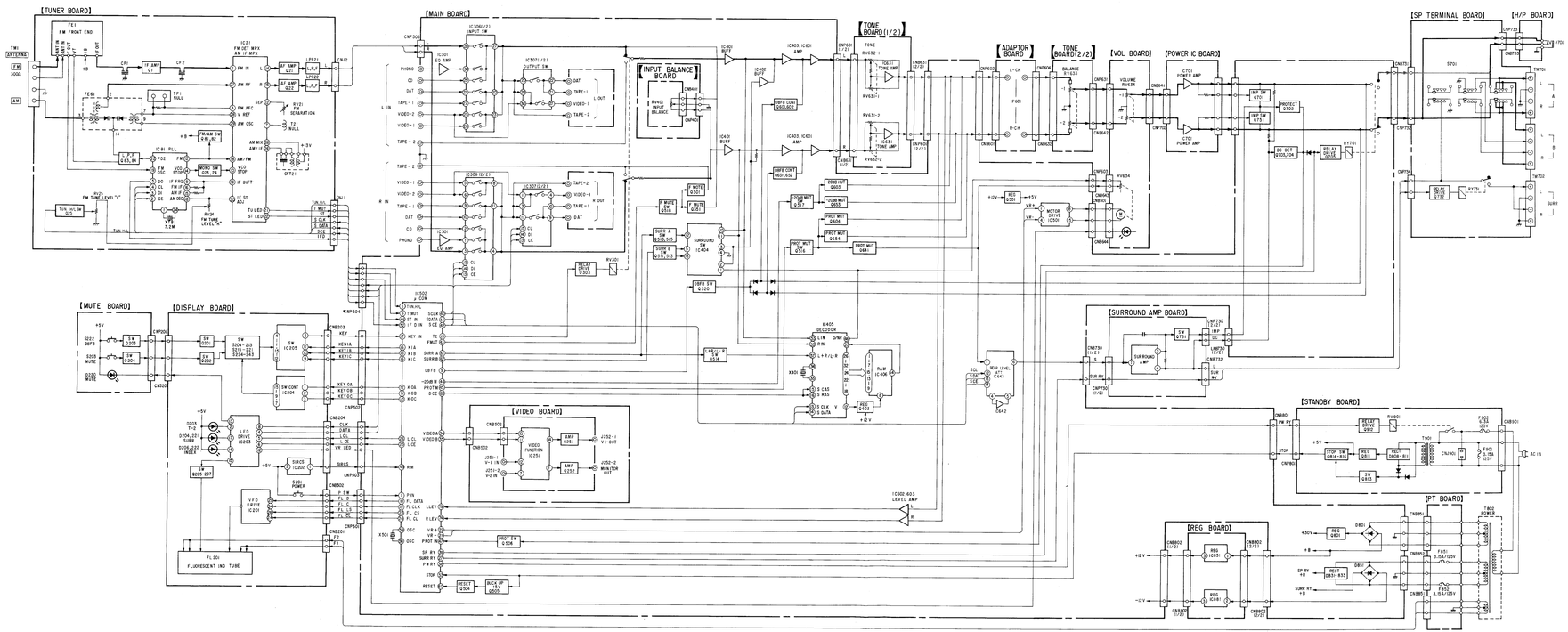


IC643 LC7535

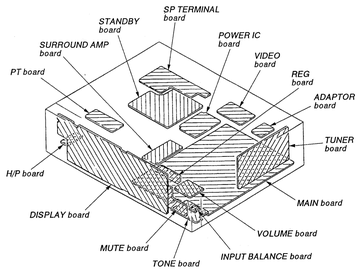


SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM



● Circuit Boards Location



3-2. MAIN SECTION PRINTED WIRING BOARDS

Note on Printed Wiring Board:

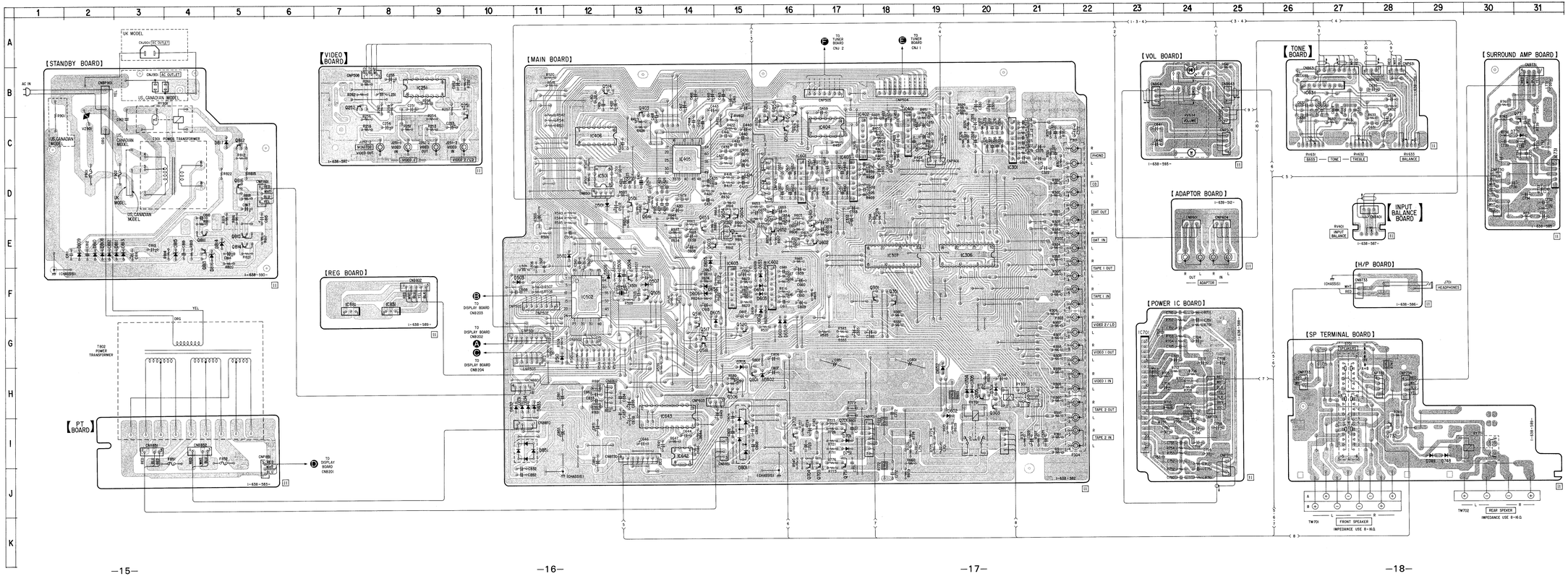
- ○——— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ┼┼ : indicates side identified with part number.

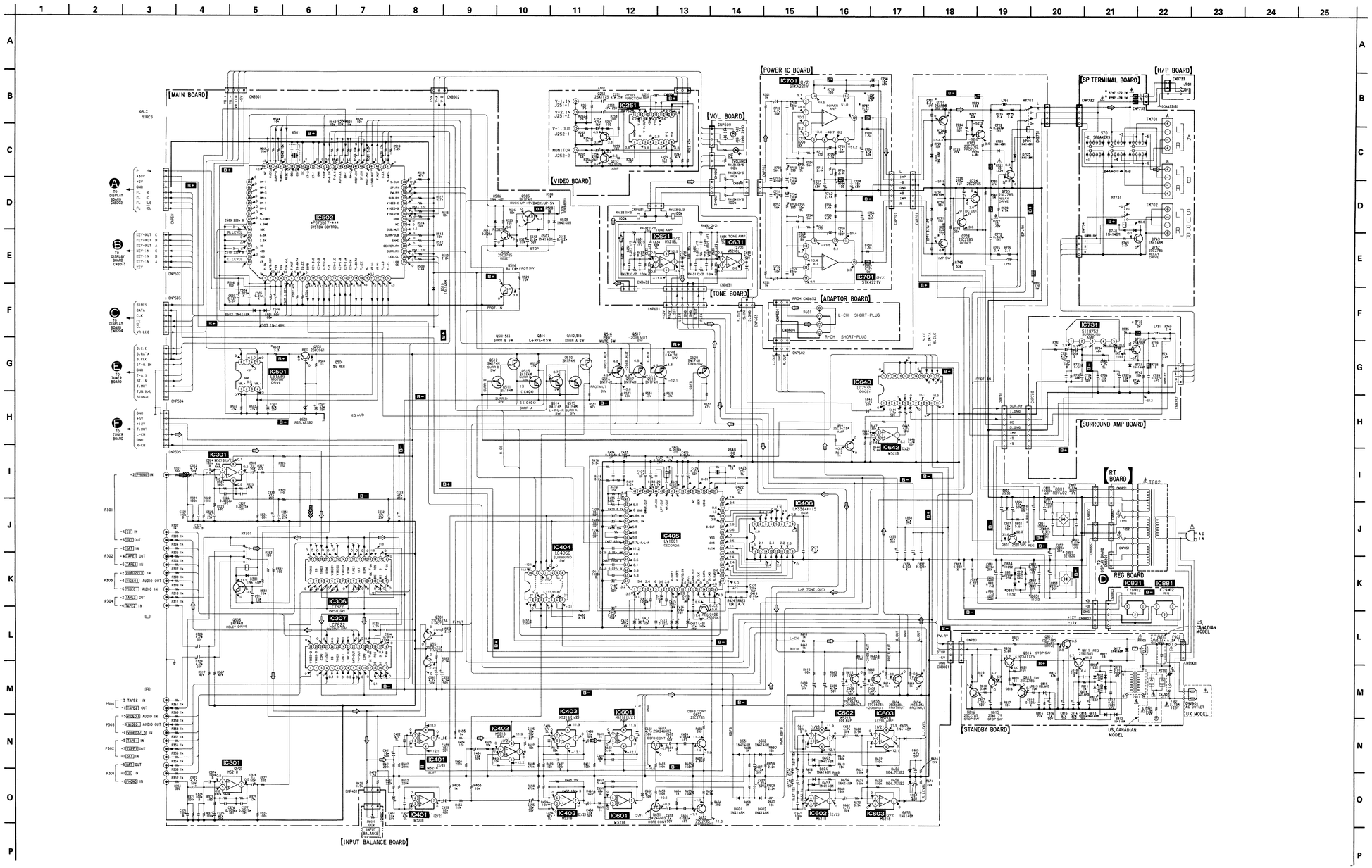
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ⊣FUSE⊢ : nonflammable resistor.
- ⊣FUSE⊢ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B + Line.
- B− : B − Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : PHONO (Main, Display Section), FM (Tuner Section)
  ( ) : AM (Tuner Section)
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ⇨ : PHONO





• Semiconductor Location

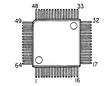
Ref. No.	Location	Ref. No.	Location
D301	H-20	IC502	F-12
D501	D-20	IC601	D-16
D502	E-12	IC602	F-16
D503	F-11	IC603	F-15
D506	F-13	IC631	B-26
D507	F-13	IC642	I-14
D508	F-12	IC643	I-14
D510	G-11	IC701	G-23
D601	G-16	IC731	D-31
D602	H-19	IC831	F-8
D603	F-15	IC881	F-7
D604	F-15		
D605	G-15	Q251	B-10
D606	F-14	Q252	B-7
D651	G-16	Q301	F-18
D652	H-19	Q303	H-20
D653	F-15	Q351	F-18
D654	F-15	Q403	B-13
D655	E-14	Q501	D-13
D656	F-14	Q504	F-13
D701	I-17	Q505	F-13
D703	H-15	Q506	H-15
D704	H-20	Q510	B-16
D705	H-20	Q511	C-16
D731	C-31	Q512	C-16
D748	I-29	Q513	C-16
D749	I-29	Q514	B-12
D751	I-17	Q515	C-16
D801	I-15	Q516	G-14
D802	H-15	Q517	G-14
D808	E-2	Q518	G-14
D809	E-2	Q520	G-15
D810	E-2	Q601	E-16
D811	E-3	Q602	E-16
D812	E-2	Q603	E-14
D813	E-3	Q604	D-15
D814	E-5	Q641	D-13
D815	E-4	Q651	D-16
D816	E-4	Q652	E-12
D817	C-5	Q653	E-14
D831	H-11	Q654	D-15
D832	H-11	Q701	I-16
D833	H-11	Q702	I-16
D834	H-11	Q703	I-17
D851	I-11	Q704	I-16
		Q705	H-20
IC251	B-9	Q731	C-31
IC301	C-20	Q732	I-29
IC306	E-9	Q751	I-17
IC307	E-18	Q801	H-15
IC401	C-18	Q811	E-4
IC402	C-17	Q812	C-5
IC403	D-17	Q813	E-4
IC404	C-17	Q814	E-5
IC405	C-14	Q815	E-5
IC406	C-12	Q816	D-5
IC501	D-12		

• Semiconductor Lead Layouts

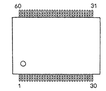
LB1639
M5218AP

LC7218

LV1001M

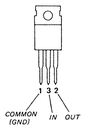


MSC1162GS



M5F78M12L

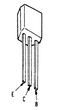
M5F79M12L



M5218AL

SI-18752

DTA114ES
DTA124ES
DTC114ES
DTC124ES



2SA988-PAFAEA
2SC3623A-LK

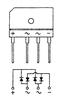
2SA1175-FEK
2SC2785-FEK
2SC2785-HFE

2SD1585-LK
2SD2012

2SK246-GR3

HZS4ALL
HZS6C3L
HZS30-3L
RD4.7ESB2
RD5.6ESB2
UZF-3.6B
1N4148M
11ES2

RBV602



SEL1810W-C

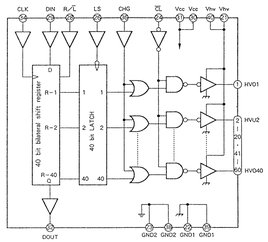
SEL2810A

3-4. DISPLAY SECTION PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM

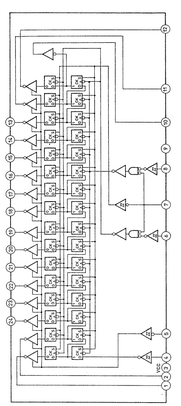
• See page 14 for notes, page 23 for Semiconductor Lead Layout.

• Display Section IC Block Diagrams

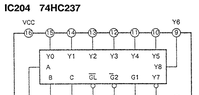
IC201 MSC1162GS



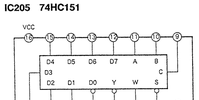
IC203 M66311

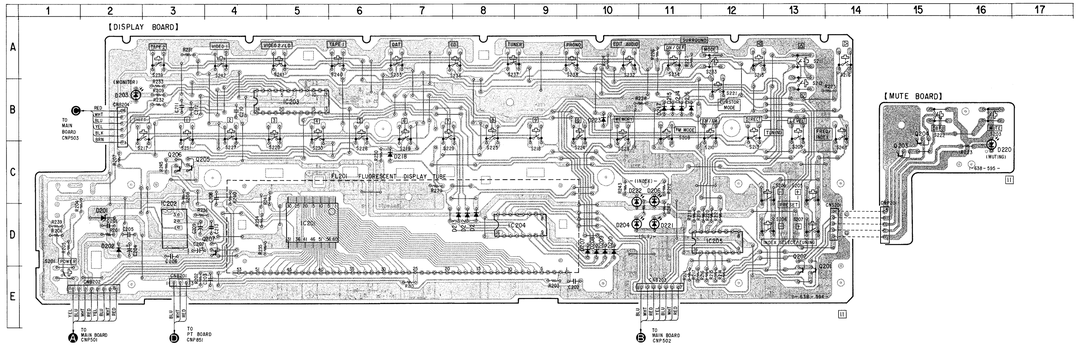


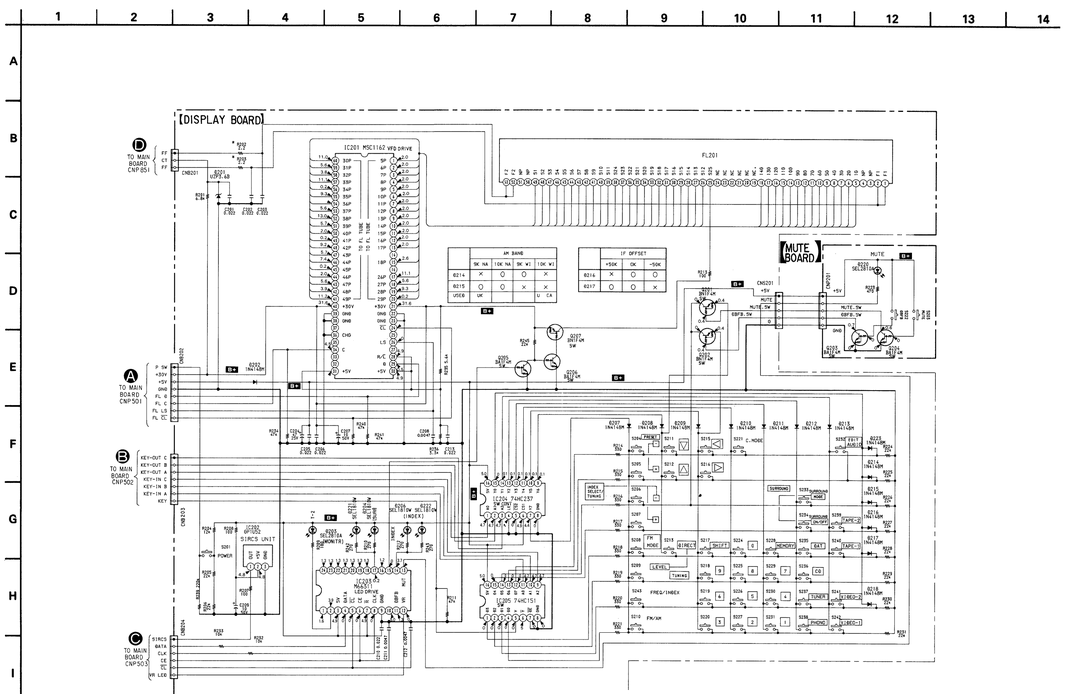
IC204 74HC237



IC205 74HC151





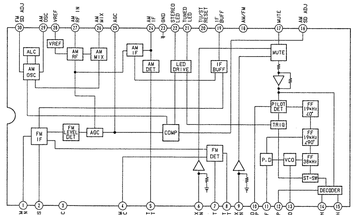


• Semiconductor Location

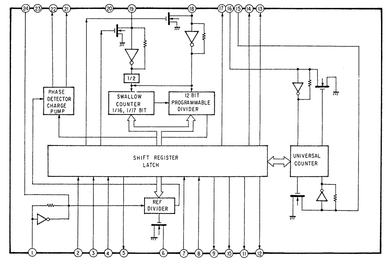
Ref. No.	Location
D201	D-2
D202	D-2
D203	B-2
D204	D-10
D206	C-11
D207	D-10
D208	D-10
D209	D-10
D210	D-10
D211	D-8
D212	D-8
D213	D-8
D214	B-11
D215	B-11
D216	B-11
D217	B-11
D218	C-7
D220	C-16
D221	D-11
D222	C-10
D223	B-10
IC201	D-5
IC202	D-3
IC203	D-5
IC204	D-9
IC205	D-12
Q201	E-13
Q202	E-13
Q203	C-15
Q204	C-15
Q205	C-3
Q206	C-3
Q207	D-4

• Tuner Section IC Block Diagrams

IC21 LA1851N

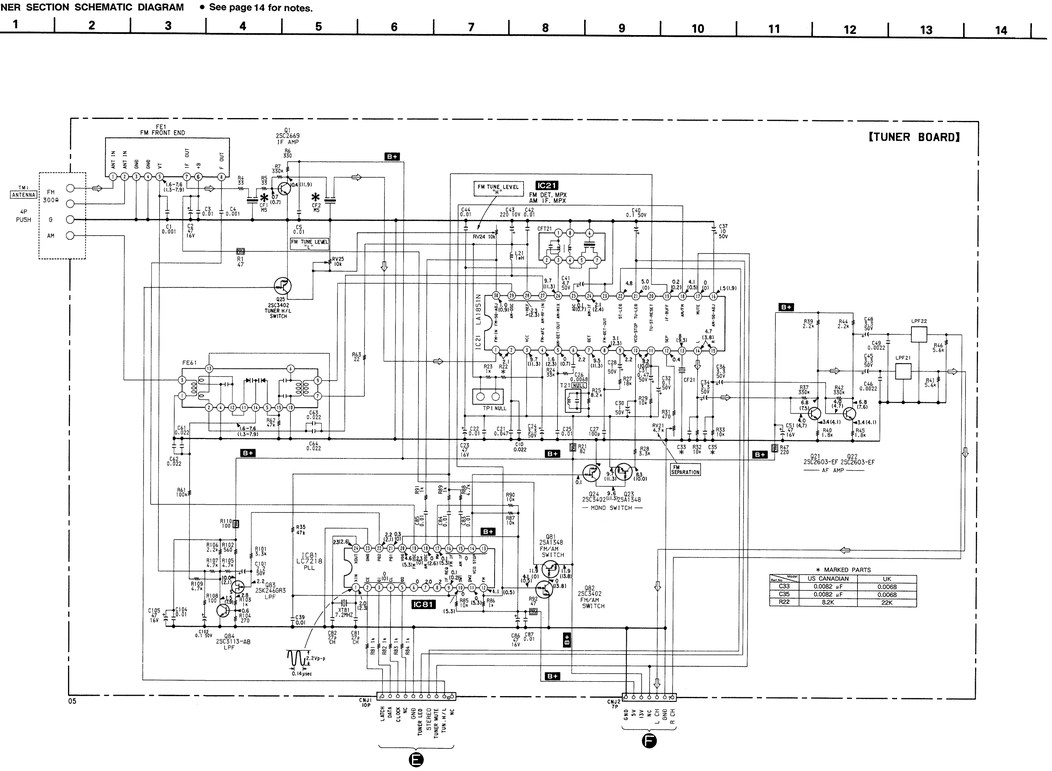


IC81 LC7218



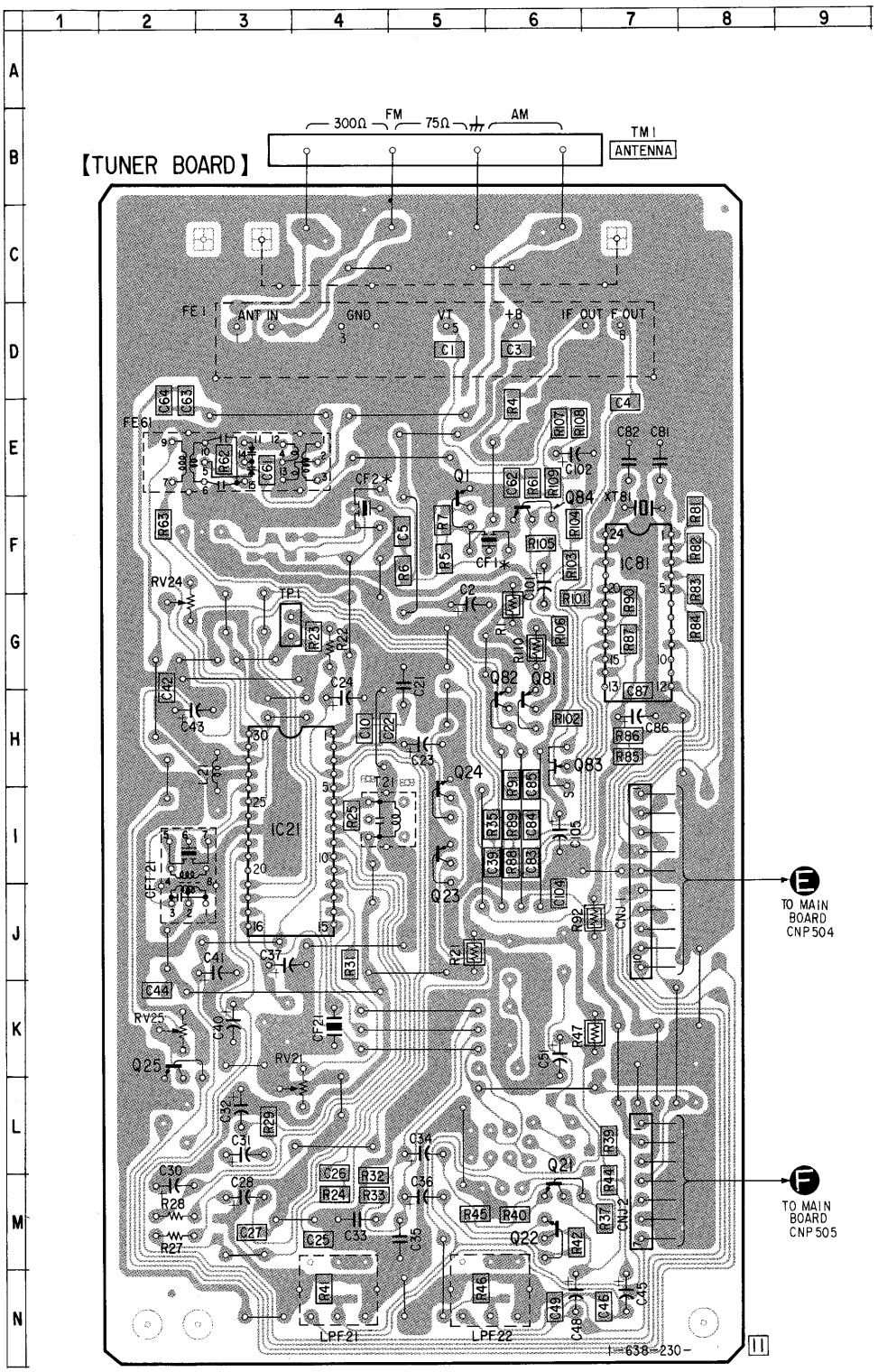
3-5. TUNER SECTION SCHEMATIC DIAGRAM

• See page 14 for notes.



3-6. TUNER SECTION PRINTED WIRING BOARD

• See page 14 for notes, page 23 for Semiconductor Lead Layouts.



• **Semiconductor Location**

Ref. No.	Location
IC21	I-3
IC81	F-7
Q1	F-5
Q21	M-6
Q22	M-6
Q23	I-5
Q24	I-5
Q25	K-2
Q81	H-6
Q82	H-6
Q83	H-6
Q84	F-6

SECTION 4
EXPLODED VIEWS

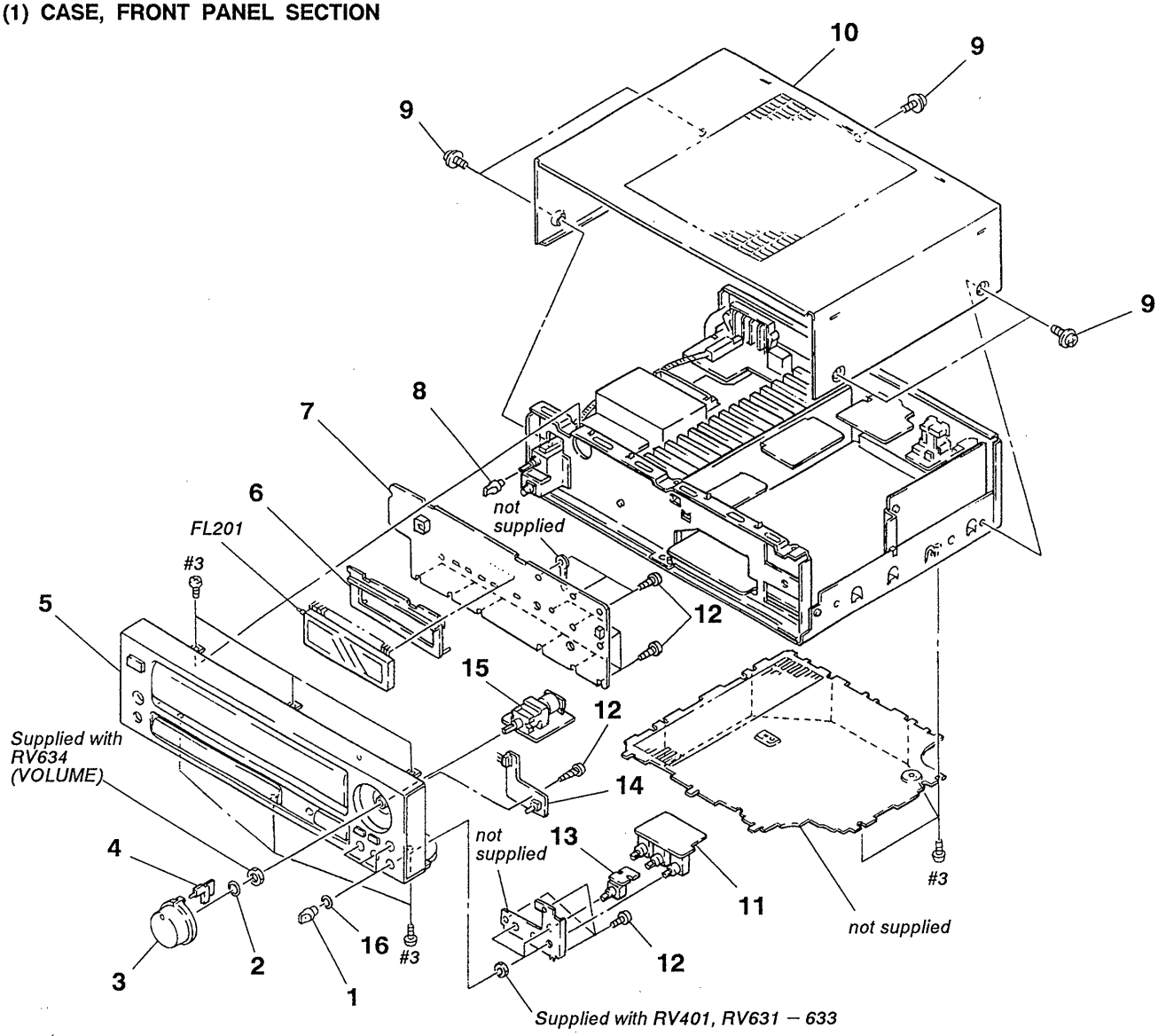
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

(1) CASE, FRONT PANEL SECTION

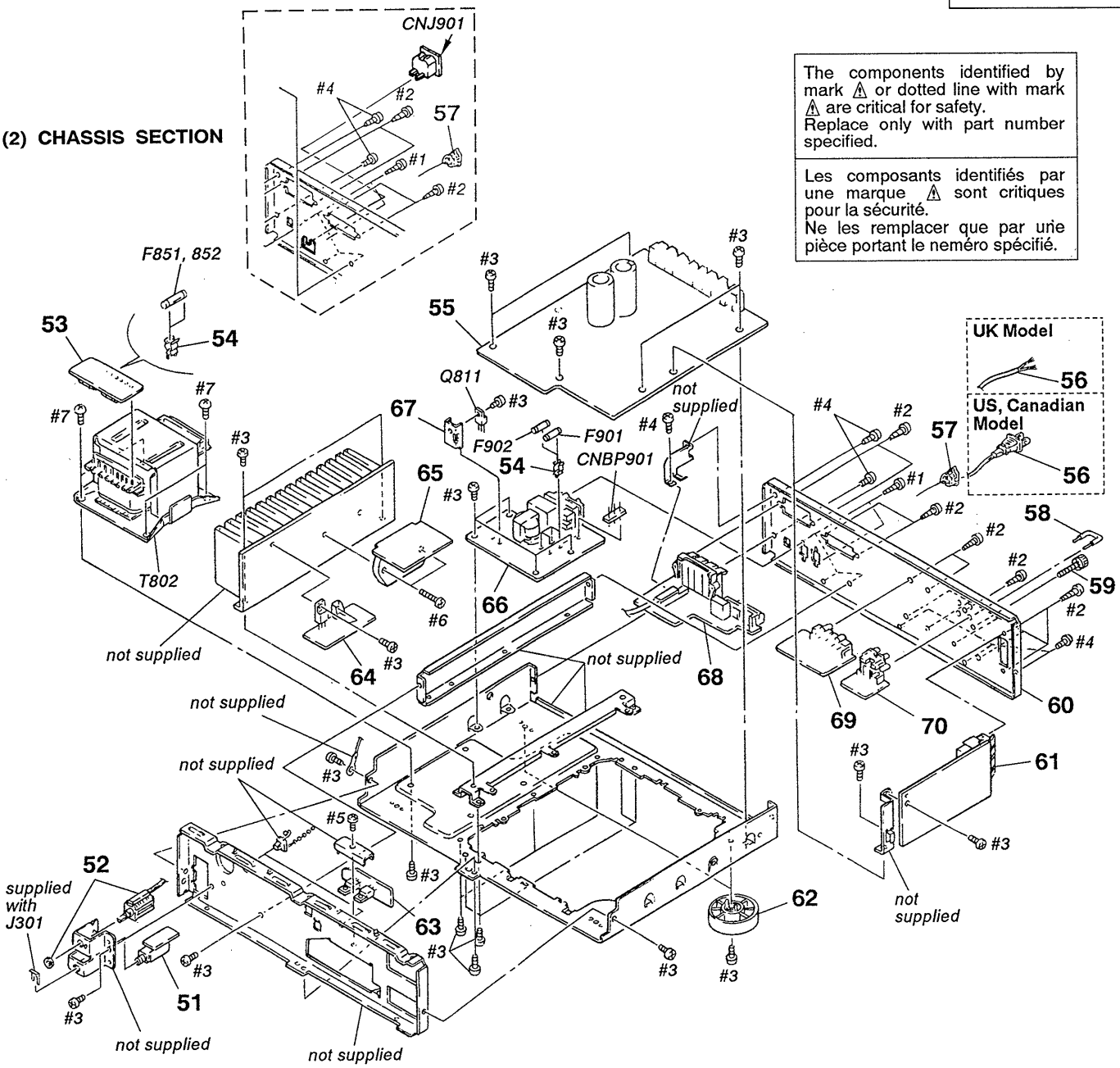


Ref. No.	Part No.	Description	Remark
1	4-925-014-11	KNOB (DIA. 10)	
2	3-350-426-01	SPRING, RING	
3	4-943-091-01	KNOB (VOL)	
4	4-943-092-01	PLATE (VOL), LIGHT GUIDE	
5	A-4325-070-A	PANEL ASSY, FRONT (US, Canadian)	
5	A-4325-242-A	PANEL ASSY, FRONT (UK)	
6	* 4-944-164-01	HOLDER, FL TUBE	
7	* A-4341-932-A	DISPLAY BOARD, COMPLETE (US, Canadian)	
7	* A-4345-316-A	DISPLAY BOARD, COMPLETE (UK)	
8	4-908-097-21	KNOB	
9	3-704-366-01	SCREW (CASE) (M3X8)	
10	* 4-944-165-01	CASE	
11	* 1-638-591-11	TONE BOARD	
12	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
13	* 1-638-587-11	INPUT BALANCE BOARD	
14	* 1-638-595-11	MUTE BOARD	
15	* 1-638-593-11	VOLUME BOARD	
16	3-356-957-01	SPRING, RING (SUS)	

(2) CHASSIS SECTION

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.



Ref. No.	Part No.	Description	Remark
51	* 1-638-586-11	HP BOARD	
52	1-572-291-11	SWITCH, ROTARY SLIDE	
53	* 1-638-583-11	PT BOARD	
54	* 1-533-217-31	HOLDER, FUSE	
55	* A-4341-928-A	MAIN BOARD, COMPLETE	
56	⚠ 1-551-478-00	CORD, POWER (US, Canadian)	
56	⚠ 1-556-035-00	CORD, POWER (UK)	
57	* 3-703-244-00	BUSHING (2104), CORD	
58	1-535-706-11	PLUG, JUMPER	
59	3-706-165-00	SCREW	
60	* 4-943-853-01	PANEL, BACK (US)	
60	* 4-943-853-11	PANEL, BACK (Canadian)	
60	* 4-943-853-41	PANEL, BACK (UK)	
61	* A-4345-314-A	TUNER BOARD, COMPLETE (US, Canadian)	
61	* A-4345-315-A	TUNER BOARD, COMPLETE (UK)	
62	3-318-688-31	FOOT (F58175S) (UK)	
62	3-318-688-51	FOOT (F58175S) (US, Canadian)	
63	* 1-638-584-11	BOARD REGULATOR	
64	* 1-638-585-11	SURROUND AMP BOARD	

Ref. No.	Part No.	Description	Remark
65	* 1-638-588-11	POWER IC BOARD	
66	* A-4341-934-A	STAND-BY BOARD, COMPLETE (US, Canadian)	
66	* A-4345-317-A	STAND-BY BOARD, COMPLETE (UK)	
67	* 3-309-144-21	HEAT SINK	
68	* 1-638-589-11	SP, TERMINAL BOARD	
69	* 1-638-592-11	VIDEO BOARD	
70	* 1-639-512-11	ADAPTOR BOARD	
CNBP901	* 1-535-140-00	BASE POST 19MM(10MM PITCH) 3P (US, Canadian)	
CNJ901	⚠ 1-526-751-00	OUTLET, AC (UK)	
F851	⚠ 1-576-107-11	FUSE	
F852	⚠ 1-576-107-11	FUSE	
F901	⚠ 1-532-237-00	FUSE, TIME LAG T3.15A 250V (UK)	
F901	⚠ 1-576-107-11	FUSE, GLASS TUBE 3.15A 125V (US, Canadian)	
F902	⚠ 1-532-388-51	FUSE, TIME LAG T5A 250V (UK)	
F902	⚠ 1-532-748-11	FUSE, GLASS TUBE 6.3A 125V (US, Canadian)	
Q811	8-729-141-89	TRANSISTOR 2SD1J85-LK	
T802	⚠ 1-450-426-11	TRANSFORMER, POWER (US)	
T802	⚠ 1-450-427-11	TRANSFORMER, POWER (Canadian)	
T802	⚠ 1-450-428-11	TRANSFORMER, POWER (UK)	

DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

When including parts by reference number, please include the board name.

Ref.No.	Part No.	Description			Remark
	* A-4341-932-A	DISPLAY BOARD, COMPLETE (US, Canadian)			
	* A-4345-316-A	DISPLAY BOARD, COMPLETE (UK)			
		**********			
	* 3-309-144-21	HEAT SINK			
	* 4-921-941-01	CUSHION (FL)			
	* 4-942-204-01	PLATE, GROUND			
	* 4-944-164-01	HOLDER (FL TUBE)			
		〈 CAPACITOR 〉			
C201	1-161-494-00	CERAMIC	0.022uF		25V
C202	1-161-494-00	CERAMIC	0.022uF		25V
C203	1-161-494-00	CERAMIC	0.022uF		25V
C204	1-124-910-11	ELECT	47uF	20%	50V
C205	1-161-494-00	CERAMIC	0.022uF		25V
C206	1-161-494-00	CERAMIC	0.022uF		25V
C207	1-126-059-11	ELECT	10uF	20%	50V
C208	1-161-377-00	CERAMIC	0.0047uF	10%	16V
C209	1-126-059-11	ELECT	10uF	20%	50V
C210	1-161-494-00	CERAMIC	0.022uF		25V
C211	1-161-377-00	CERAMIC	0.0047uF	10%	16V
C212	1-161-377-00	CERAMIC	0.0047uF	10%	16V
C213	1-161-494-00	CERAMIC	0.022uF		25V
		〈 BASE POST 〉			
CNBP901	* 1-535-140-00	BASE POST 19MM (10MM PITCH) 3P (US, Canadian)			
		〈 CONNECTOR 〉			
CNS201	* 1-565-481-11	CONNECTOR, BOARD TO BOARD 5P			
		〈 DIODE 〉			
D201	8-719-014-25	DIODE UZP-3.6B			
D202	8-719-987-63	DIODE 1N4148M			
D203	8-719-301-49	DIODE SEL2810A			
D204	8-719-310-78	DIODE SEL1810W-C			
D206	8-719-310-78	DIODE SEL1810W-C			
D207	8-719-987-63	DIODE 1N4148M			
D208	8-719-987-63	DIODE 1N4148M			
D209	8-719-987-63	DIODE 1N4148M			
D210	8-719-987-63	DIODE 1N4148M			
D211	8-719-987-63	DIODE 1N4148M			
D212	8-719-987-63	DIODE 1N4148M			
D213	8-719-987-63	DIODE 1N4148M			
D215	8-719-987-63	DIODE 1N4148M (UK)			
D216	8-719-987-63	DIODE 1N4148M			
D217	8-719-987-63	DIODE 1N4148M			
D218	8-719-987-63	DIODE 1N4148M			
D221	8-719-310-78	DIODE SEL1810W-C			
D222	8-719-310-78	DIODE SEL1810W-C			
D223	8-719-987-63	DIODE 1N4148M			
		〈 INDUCTOR 〉			
FL201	1-519-646-11	INDICATOR TUBE, FLUORESCENT			
		〈 IC 〉			
IC201	8-759-990-38	IC MSC1162GS			
IC202	8-749-920-83	IC GP1U52XB			
IC203	8-759-633-84	IC M66311P			
IC204	8-759-921-32	IC SN74HC237N			
IC205	8-759-916-48	IC SN74HC151AN			
		〈 TRANSISTOR 〉			
Q201	8-729-900-63	TRANSISTOR DTA124ES			
Q202	8-729-900-63	TRANSISTOR DTA124ES			
Q205	8-729-900-36	TRANSISTOR DTC124ES			
Q206	8-729-900-36	TRANSISTOR DTC124ES			
Q207	8-729-900-63	TRANSISTOR DTA124ES			
		〈 RESISTOR 〉			
R201	1-249-427-11	CARBON	6.8K	5%	1/4W
R202	1-249-385-11	CARBON	2.2	5%	1/6W
R203	1-249-385-11	CARBON	2.2	5%	1/6W
R204	1-249-430-11	CARBON	12K	5%	1/4W
R205	1-249-433-11	CARBON	22K	5%	1/4W

DISPLAY | H/P | INPUT BALANCE | POWER IC

Ref.No.	Part No.	Description				Remark
R206	1-249-433-11	CARBON	22K	5%	1/4W	
R207	1-249-405-11	CARBON	100	5%	1/4W	
R208	1-249-405-11	CARBON	100	5%	1/4W	
R209	1-249-408-11	CARBON	180	5%	1/4W	
R210	1-249-410-11	CARBON	270	5%	1/4W	
R211	1-249-437-11	CARBON	47K	5%	1/4W	
R212	1-249-410-11	CARBON	270	5%	1/4W	
R213	1-249-405-11	CARBON	100	5%	1/4W	
R214	1-249-411-11	CARBON	330	5%	1/4W	
R215	1-249-411-11	CARBON	330	5%	1/4W	
R216	1-249-411-11	CARBON	330	5%	1/4W	
R217	1-249-411-11	CARBON	330	5%	1/4W	
R218	1-249-411-11	CARBON	330	5%	1/4W	
R219	1-249-411-11	CARBON	330	5%	1/4W	
R220	1-249-411-11	CARBON	330	5%	1/4W	
R221	1-249-411-11	CARBON	330	5%	1/4W	
R224	1-249-433-11	CARBON	22K	5%	1/4W	
R225	1-249-433-11	CARBON	22K	5%	1/4W	
R226	1-249-433-11	CARBON	22K	5%	1/4W	
R227	1-249-433-11	CARBON	22K	5%	1/4W	
R228	1-249-433-11	CARBON	22K	5%	1/4W	
R229	1-249-433-11	CARBON	22K	5%	1/4W	
R230	1-249-433-11	CARBON	22K	5%	1/4W	
R231	1-249-433-11	CARBON	22K	5%	1/4W	
R232	1-249-429-11	CARBON	10K	5%	1/4W	
R233	1-249-429-11	CARBON	10K	5%	1/4W	
R234	1-249-437-11	CARBON	47K	5%	1/4W	
R235	1-249-426-11	CARBON	5.6K	5%	1/4W	
R236	1-249-423-11	CARBON	3.3K	5%	1/4W	
R239	1-247-887-00	CARBON	220K	5%	1/4W	
R240	1-249-437-11	CARBON	47K	5%	1/4W	
R241	1-249-437-11	CARBON	47K	5%	1/4W	
R242	1-249-410-11	CARBON	270	5%	1/4W	
R243	1-249-410-11	CARBON	270	5%	1/4W	
R245	1-249-433-11	CARBON	22K	5%	1/4W	

〈 SWITCH 〉

S201	1-554-303-21	SWITCH, TACTILE (POWER)	
S204	1-554-303-21	SWITCH, TACTILE (PRESET TUNING:-)	
S205	1-554-303-21	SWITCH, TACTILE (PRESET TUNING:+)	
S206	1-554-303-21	SWITCH, TACTILE (INDEX SELECT/TUNING:-)	
S207	1-554-303-21	SWITCH, TACTILE (INDEX SELECT/TUNING:+)	
S208	1-554-303-21	SWITCH, TACTILE (FM MODE)	
S209	1-554-303-21	SWITCH, TACTILE (TUNING:LEVEL)	
S210	1-554-303-21	SWITCH, TACTILE (FM/AM)	
S211	1-554-303-21	SWITCH, TACTILE (△)	
S212	1-554-303-21	SWITCH, TACTILE (▽)	
S213	1-554-303-21	SWITCH, TACTILE (TUNING:DIRECT)	
S215	1-554-303-21	SWITCH, TACTILE (△)	
S216	1-554-303-21	SWITCH, TACTILE (▽)	
S217	1-554-303-21	SWITCH, TACTILE (SHIFT)	
S218	1-554-303-21	SWITCH, TACTILE (9)	
S219	1-554-303-21	SWITCH, TACTILE (6)	
S220	1-554-303-21	SWITCH, TACTILE (3)	
S221	1-554-303-21	SWITCH, TACTILE (CURSOR MODE)	
S224	1-554-303-21	SWITCH, TACTILE (0)	
S225	1-554-303-21	SWITCH, TACTILE (8)	
S226	1-554-303-21	SWITCH, TACTILE (5)	
S227	1-554-303-21	SWITCH, TACTILE (2)	
S228	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S229	1-554-303-21	SWITCH, TACTILE (7)	
S230	1-554-303-21	SWITCH, TACTILE (4)	
S231	1-554-303-21	SWITCH, TACTILE (1)	
S232	1-554-303-21	SWITCH, TACTILE (EDIT AUDIO)	
S233	1-554-303-21	SWITCH, TACTILE (SURROUND:MODE)	
S234	1-554-303-21	SWITCH, TACTILE (SURROUND:ON/OFF)	
S235	1-554-303-21	SWITCH, TACTILE (DAT)	
S236	1-554-303-21	SWITCH, TACTILE (CD)	
S237	1-554-303-21	SWITCH, TACTILE (TUNER)	
S238	1-554-303-21	SWITCH, TACTILE (PHONE)	
S239	1-554-303-21	SWITCH, TACTILE (TAPE 2)	
S240	1-554-303-21	SWITCH, TACTILE (TAPE 1)	
S241	1-554-303-21	SWITCH, TACTILE (VIDEO 2/LD)	
S242	1-554-303-21	SWITCH, TACTILE (VIDEO 1)	
S243	1-554-303-21	SWITCH, TACTILE (FREQ/INDEX)	

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* 1-638-586-11 H/P BOARD
****

〈 JACK 〉

J701	1-568-515-21	JACK (LARGE TYPE)(HEADPHONES)

****

* 1-638-587-11 INPUT BALANCE BOARD
****

〈 VARIABLE RESISTOR 〉

RV401	1-241-049-11	RES, VAR, CARBON 100K (INPUT BALANCE)

****

* 1-638-588-11 POWER IC BOARD
****

〈 CAPASITOR 〉

C701	1-162-290-31	CERAMIC	470PF	10%	50V
C702	1-126-163-11	ELECT	4.7uF	20%	50V
C703	1-162-288-31	CERAMIC	330PF	10%	50V
C704	1-126-023-11	ELECT	100uF	20%	16V
C705	1-162-199-31	CERAMIC	10PF	5%	50V

POWER IC | SP. TERMINAL | TONE

Ref. No.	Part No.	Description				Remark
C706	1-124-918-11	ELECT	47uF	20%	63V	
C707	1-124-572-11	ELECT	100uF	20%	63V	
C708	1-126-059-11	ELECT	10uF	20%	63V	
C709	1-124-791-11	ELECT	1.0uF	20%	100V	
C710	1-162-282-31	CERAMIC	100PF	10%	50V	
C751	1-162-290-31	CERAMIC	470PF	10%	50V	
C752	1-126-163-11	ELECT	4.7uF	20%	50V	
C753	1-162-288-31	CERAMIC	330PF	10%	50V	
C754	1-126-023-11	ELECT	100uF	20%	16V	
C755	1-162-199-31	CERAMIC	10PF	5%	50V	
C756	1-124-918-11	ELECT	47uF	20%	63V	
C757	1-124-572-11	ELECT	100uF	20%	63V	
C758	1-126-059-11	ELECT	10uF	20%	63V	
C759	1-124-791-11	ELECT	1.0uF	20%	100V	
C760	1-162-282-31	CERAMIC	100PF	10%	50V	
		〈 CONNECTOR 〉				
CNP701 *	1-506-782-11	PLUG, CONNECTOR (2.5MM) 7P				
CNP702 *	1-506-680-11	PLUG, CONNECTOR (2.5MM) 3P				
		〈 IC 〉				
IC701	8-749-921-97	IC STK-4221V				
		〈 RESISTOR 〉				
R701	1-249-417-11	CARBON	1K	5%	1/4W	
R702	1-249-438-11	CARBON	56K	5%	1/4W	
R703	1-249-412-11	CARBON	390	5%	1/4W	
R704	1-249-438-11	CARBON	56K	5%	1/4W	
R705	1-249-425-11	CARBON	4.7K	5%	1/4W	
R706	1-247-840-00	CARBON	2.4K	5%	1/4W	
R707	1-217-156-00	RES, METAL PLATE 0.22				
R708	1-249-419-11	CARBON	1.5K	5%	1/4W	
R709	1-249-405-11	CARBON	100	5%	1/4W	
R710	1-249-405-11	CARBON	100	5%	1/4W	
R711	1-249-413-11	CARBON	470	5%	1/4W	
R712	1-247-840-00	CARBON	2.4K	5%	1/4W	
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752	1-249-438-11	CARBON	56K	5%	1/4W	
R753	1-249-412-11	CARBON	390	5%	1/4W	
R754	1-249-438-11	CARBON	56K	5%	1/4W	
R755	1-249-425-11	CARBON	4.7K	5%	1/4W	
R756	1-247-840-00	CARBON	2.4K	5%	1/4W	
R757	1-217-156-00	RES, METAL PLATE 0.22				
R758	1-249-419-11	CARBON	1.5K	5%	1/4W	
R761	1-249-413-11	CARBON	470	5%	1/4W	
R762	1-247-840-00	CARBON	2.4K	5%	1/4W	

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Ref. No.	Part No.	Description				Remark
*	1-638-589-11	SP. TERMINAL BOARD				
		**********				
		〈 CONNECTOR 〉				
CNP732 *	1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P				
CNP733 *	1-564-777-11	PLUG, CONNECTOR (2.5MM) 2P				
CNP734 *	1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P				
		〈 DIODE 〉				
D748	8-719-987-63	DIODE 1N4148M				
D749	8-719-987-63	DIODE 1N4148M				
		〈 TRANSISTOR 〉				
Q732	8-729-119-79	TRANSISTOR 2SC2785-FEK				
		〈 RESISTOR 〉				
R747 ⚠	1-215-867-00	METAL OXIDE	470	5%	1W	F
R749	1-249-421-11	CARBON	2.2K	5%	1/4W	
R797 ⚠	1-215-867-00	METAL OXIDE	470	5%	1W	F
		〈 RELAY 〉				
RY731	1-515-790-11	RELAY				
		〈 SWITCH 〉				
S701	1-572-322-11	SWITCH, SLIDE (SPEAKERS)				
		〈 TERMINAL 〉				
TM701	1-537-341-11	TERMINAL BOARD (8P SP)				
TM702	1-537-265-11	TERMINAL BOARD				

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*	1-638-591-11	TONE BOARD			
		**********			
		〈 CAPACITOR 〉			
C631	1-130-473-00	MYLAR	0.0015uF	5%	50V
C632	1-130-484-00	MYLAR	0.012uF	5%	50V
C633	1-130-484-00	MYLAR	0.012uF	5%	50V
C634	1-101-888-00	CERAMIC	68PF	5%	50V
C635	1-126-163-11	ELECT	4.7uF	20%	50V
C681	1-130-473-00	MYLAR	0.0015uF	5%	50V
C682	1-130-484-00	MYLAR	0.012uF	5%	50V
C683	1-130-484-00	MYLAR	0.012uF	5%	50V
C684	1-101-888-00	CERAMIC	68PF	5%	50V
C685	1-126-163-11	ELECT	4.7uF	20%	50V
		〈 CONNECTOR 〉			
CNP631	1-569-596-11	PLUG, CONNECTOR (2.5MM) 3P			

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

TONE VIDEO VOLUME MUTE

Ref.No.	Part No.	Description				Remark
		⟨ IC ⟩				
IC631	8-759-634-50	IC M5218AL				
		⟨ RESISTOR ⟩				
R631	1-249-435-11	CARBON	33K	5%	1/4W	
R632	1-249-435-11	CARBON	33K	5%	1/4W	
R633	1-249-428-11	CARBON	8.2K	5%	1/4W	
R681	1-249-435-11	CARBON	33K	5%	1/4W	
R682	1-249-435-11	CARBON	33K	5%	1/4W	
R683	1-249-428-11	CARBON	8.2K	5%	1/4W	
		⟨ VARIABLE RESISTOR ⟩				
RV631	1-241-489-11	RES, VAR (BASS)				
RV632	1-241-489-11	RES, VAR (TREBLE)				
RV633	1-241-048-11	RES, VAR, CARBON 100K/100K (BALANCE)				
**********						
*	1-638-592-11	VIDEO BOARD **********				
		⟨ CAPACITOR ⟩				
C251	1-124-910-11	ELECT	47uF	20%	50V	
C252	1-124-910-11	ELECT	47uF	20%	50V	
C253	1-126-012-11	ELECT	470uF	20%	16V	
C254	1-126-012-11	ELECT	470uF	20%	16V	
C255	1-124-910-11	ELECT	47uF	20%	50V	
		⟨ PLUG ⟩				
CNP508 *	1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P				
		⟨ IC ⟩				
IC251	8-759-991-77	IC BA7625				
		⟨ JACK ⟩				
J251 *	1-573-029-11	JACK, PIN 2P (VIDEO IN/OUT)				
J252 *	1-573-029-11	JACK, PIN 2P (VIDEO IN/OUT)				
		⟨ INDUCTOR ⟩				
L251	1-410-509-11	INDUCTOR	10uH			
		⟨ TRANSISTOR ⟩				
Q251	8-729-119-77	TRANSISTOR 2SA1175-FEK				
Q252	8-729-119-77	TRANSISTOR 2SA1175-FEK				
		⟨ RESISTOR ⟩				
R251	1-247-804-11	CARBON	75	5%	1/4W	
R252	1-247-804-11	CARBON	75	5%	1/4W	
R253	1-249-403-11	CARBON	68	5%	1/4W	
R254	1-249-417-11	CARBON	1K	5%	1/4W	
R255	1-249-403-11	CARBON	68	5%	1/4W	
R256	1-249-417-11	CARBON	1K	5%	1/4W	
R257	1-249-405-11	CARBON	100	5%	1/4W	
R258	1-249-405-11	CARBON	100	5%	1/4W	
R259	1-249-405-11	CARBON	100	5%	1/4W	
R260	1-249-405-11	CARBON	100	5%	1/4W	
R261	1-249-437-11	CARBON	47K	5%	1/4W	
R262	1-249-437-11	CARBON	47K	5%	1/4W	
**********						
*	1-638-593-11	VOLUME BOARD **********				
		⟨ CAPACITOR ⟩				
C641	1-126-301-11	ELECT	1uF	20%	50V	
C642	1-126-301-11	ELECT	1uF	20%	50V	
		⟨ CONNECTOR ⟩				
CNP509 *	1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P				
		⟨ RESISTOR ⟩				
R641	1-249-411-11	CARBON	330	5%	1/4W	
		⟨ VARIABLE RESISTOR ⟩				
RV634	1-241-413-11	RES, VAR, CARBON 100KX3 (VOLUME)				
**********						
*	1-638-595-11	MUTE BOARD **********				
		⟨ CONNECTOR ⟩				
CNP201 *	1-569-799-11	PLUG, CONNECTOR 5P				
		⟨ DIODE ⟩				
D220	8-719-301-49	DIODE SEL2810A				
		⟨ TRANSISTOR ⟩				
Q203	8-729-900-36	TRANSISTOR DTC124ES				
Q204	8-729-900-36	TRANSISTOR DTC124ES				
		⟨ RESISTOR ⟩				
R223	1-249-413-11	CARBON	470	5%	1/4W	
		⟨ SWITCH ⟩				
S203	1-554-303-21	SWITCH, TACTILE (MUTE)				
S222	1-554-303-21	SWITCH, TACTILE (DBFB)				
**********						

STANDBY | MAIN

Ref. No.	Part No.	Description			Remark
	* 1-638-590-11	STANDBY BOARD			
		**********			
	1-533-217-31	HOLDER, FUSE			
		〈 CAPASITOR 〉			
C811	1-106-367-00	MYLAR	0.01uF	5%	200V
C812	1-106-367-00	MYLAR	0.01uF	5%	200V
C813	1-126-027-11	ELECT	1000uF	20%	25V
C814	1-124-910-11	ELECT	47uF	20%	50V
C815	1-124-910-11	ELECT	47uF	20%	50V
C816	1-126-301-11	ELECT	1uF	20%	50V
C817	1-124-464-11	ELECT	0.22uF	20%	50V
C818	1-102-106-00	CERAMIC	100PF	10%	50V
C819	1-161-055-00	CERAMIC	0.022uF	10%	50V
C901	⚠ 1-161-744-00	CERAMIC	0.01uF	400V	(US, Canadian)
		〈 AC OUTLET 〉			
CNJ901	⚠ 1-540-060-11	OUTLET, AC (POLAR) (AC OUTLET) (US, Canadian)			
		〈 CONNECTOR 〉			
CNP801	* 1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P			
		〈 DIODE 〉			
D808	8-719-200-82	DIODE 11ES2			
D809	8-719-200-82	DIODE 11ES2			
D810	8-719-200-82	DIODE 11ES2			
D811	8-719-200-82	DIODE 11ES2			
D812	8-719-987-63	DIODE 1N4148M			
D813	8-719-987-63	DIODE 1N4148M			
D814	8-719-933-41	DIODE HZS6C3L			
D815	8-719-933-41	DIODE HZS6C3L			
D816	8-719-985-53	DIODE HZS4ALL			
D817	8-719-987-63	DIODE 1N4148M			
		〈 TRANSISTOR 〉			
Q811	8-729-141-89	TRANSISTOR 2SD1585-LK			
Q812	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q813	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q814	8-729-119-77	TRANSISTOR 2SA1175-FEK			
Q815	8-729-119-77	TRANSISTOR 2SA1175-FEK			
Q816	8-729-119-79	TRANSISTOR 2SC2785-FEK			
		〈 FUSE 〉			
F901	⚠ 1-532-237-00	FUSE, TIME LAG T3.15A 250V (UK)			
F901	⚠ 1-576-107-11	FUSE, GLASS TUBE 3.15A 125V (US, Canadian)			
F902	⚠ 1-532-388-51	FUSE, TIME LAG T5A 250V (UK)			
F902	⚠ 1-532-748-11	FUSE, GLASS TUBE 6.3A 125V (US, Canadian)			

Ref. No.	Part No.	Description			Remark
		〈 RESISTOR 〉			
R811	1-249-417-11	CARBON	1K	5%	1/4W
R812	1-249-437-11	CARBON	47K	5%	1/4W
R813	1-249-429-11	CARBON	10K	5%	1/4W
R814	1-249-433-11	CARBON	22K	5%	1/4W
R815	1-249-425-11	CARBON	4.7K	5%	1/4W
R816	1-249-426-11	CARBON	5.6K	5%	1/4W
R817	1-249-429-11	CARBON	10K	5%	1/4W
R818	1-249-426-11	CARBON	5.6K	5%	1/4W
R819	1-249-417-11	CARBON	1K	5%	1/4W
R820	1-249-417-11	CARBON	1K	5%	1/4W
R821	1-249-429-11	CARBON	10K	5%	1/4W
R822	1-249-396-11	CARBON	18	5%	1/6W
R901	⚠ 1-202-725-00	SOLID	3.3M	10%	1/2W (US, Canadian)
		〈 RELAY 〉			
RY901	⚠ 1-515-671-11	RELAY (UK)			
RY901	⚠ 1-515-701-11	RELAY (US, Canadian)			
		〈 TRANSFORMER 〉			
T901	⚠ 1-450-358-11	TRANSFORMER, POWER (UK)			
T901	⚠ 1-450-361-11	TRANSFORMER, POWER (US, Canadian)			
		〈 VARISTOR 〉			
VZ901	⚠ 1-807-180-31	VARISTOR SNR-14A471U (UK)			
VZ901	⚠ 1-807-293-31	VARISTOR SNR-14A221U (US, Canadian)			

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	A-4341-928-A	MAIN BOARD, COMPLETE			
		**********			
	* 4-942-204-01	PLATE, GROUND			
		〈 DIODE 〉			
	8-719-109-89	DIODE	RD5.6ES-B2		
		〈 CAPACITOR 〉			
C321	1-162-282-31	CERAMIC	100PF	10%	50V
C322	1-126-163-11	ELECT	4.7uF	20%	50V
C323	1-162-282-31	CERAMIC	100PF	10%	50V
C324	1-162-282-31	CERAMIC	100PF	10%	50V
C325	1-124-910-11	ELECT	47uF	20%	50V
C326	1-130-480-00	MYLAR	0.0056uF	5%	50V
C327	1-130-473-00	MYLAR	0.0015uF	5%	50V
C328	1-126-301-11	ELECT	1uF	20%	50V
C329	1-126-163-11	ELECT	4.7uF	20%	50V
C330	1-124-910-11	ELECT	47uF	20%	50V
C331	1-124-910-11	ELECT	47uF	20%	50V
C332	1-124-910-11	ELECT	47uF	20%	50V

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description			Remark
C333	1-124-910-11	ELECT	47uF	20%	50V
C334	1-161-039-00	CERAMIC	0.001uF	10%	50V
C335	1-126-163-11	ELECT	4.7uF	20%	50V
C371	1-162-282-31	CERAMIC	100PF	10%	50V
C372	1-126-163-11	ELECT	4.7uF	20%	50V
C373	1-162-282-31	CERAMIC	100PF	10%	50V
C374	1-162-282-31	CERAMIC	100PF	10%	50V
C375	1-124-910-11	ELECT	47uF	20%	50V
C376	1-130-480-00	MYLAR	0.0056uF	5%	50V
C377	1-130-473-00	MYLAR	0.0015uF	5%	50V
C378	1-126-301-11	ELECT	1uF	20%	50V
C379	1-126-163-11	ELECT	4.7uF	20%	50V
C385	1-126-163-11	ELECT	4.7uF	20%	50V
C401	1-126-059-11	ELECT	10uF	20%	50V
C402	1-101-880-00	CERAMIC	47PF	5%	50V
C403	1-126-059-11	ELECT	10uF	20%	50V
C404	1-126-059-11	ELECT	10uF	20%	50V
C405	1-126-059-11	ELECT	10uF	20%	50V
C406	1-101-880-00	CERAMIC	47PF	5%	50V
C407	1-162-282-31	CERAMIC	100PF	10%	50V
C408	1-126-059-11	ELECT	10uF	20%	50V
C409	1-126-059-11	ELECT	10uF	20%	50V
C410	1-126-012-11	ELECT	470uF	20%	16V
C411	1-126-163-11	ELECT	4.7uF	20%	50V
C412	1-161-039-00	CERAMIC	0.001uF	10%	50V
C413	1-161-055-00	CERAMIC	0.022uF	10%	50V
C414	1-102-108-00	CERAMIC	150PF	10%	50V
C415	1-126-024-11	ELECT	220uF	20%	16V
C416	1-126-024-11	ELECT	220uF	20%	16V
C417	1-124-910-11	ELECT	47uF	20%	50V
C418	1-136-165-00	FILM	0.1uF	5%	50V
C419	1-161-051-00	CERAMIC	0.01uF	10%	50V
C420	1-126-024-11	ELECT	220uF	20%	16V
C421	1-136-165-00	FILM	0.1uF	5%	50V
C422	1-102-961-00	CERAMIC	27PF	5%	50V
C423	1-102-961-00	CERAMIC	27PF	5%	50V
C424	1-124-464-11	ELECT	0.22uF	20%	50V
C425	1-130-493-00	MYLAR	0.068uF	5%	50V
C426	1-130-478-00	MYLAR	0.0039uF	5%	50V
C427	1-130-479-00	MYLAR	0.0047uF	5%	50V
C428	1-130-489-00	MYLAR	0.033uF	5%	50V
C429	1-124-768-11	ELECT	4.7uF	20%	50V
C430	1-126-301-11	ELECT	1uF	20%	50V
C431	1-124-768-11	ELECT	4.7uF	20%	50V
C433	1-130-480-00	MYLAR	0.0056uF	5%	50V
C434	1-130-481-00	MYLAR	0.0068uF	5%	50V
C435	1-102-115-00	CERAMIC	560PF	10%	50V
C436	1-126-059-11	ELECT	10uF	20%	50V
C437	1-102-116-00	CERAMIC	680PF	10%	50V
C438	1-136-167-00	FILM	0.15uF	5%	50V

Ref. No.	Part No.	Description			Remark
C439	1-102-108-00	CERAMIC	150PF	10%	50V
C440	1-161-055-00	CERAMIC	0.022uF	10%	50V
C441	1-161-039-00	CERAMIC	0.001uF	10%	50V
C442	1-126-163-11	ELECT	4.7uF	20%	50V
C443	1-124-464-11	ELECT	0.22uF	20%	50V
C451	1-126-059-11	ELECT	10uF	20%	50V
C452	1-101-880-00	CERAMIC	47PF	5%	50V
C453	1-126-059-11	ELECT	10uF	20%	50V
C455	1-126-059-11	ELECT	10uF	20%	50V
C456	1-101-880-00	CERAMIC	47PF	5%	50V
C457	1-162-282-31	CERAMIC	100PF	10%	50V
C458	1-126-059-11	ELECT	10uF	20%	50V
C459	1-126-059-11	ELECT	10uF	20%	50V
C501	1-124-910-11	ELECT	47uF	20%	50V
C502	1-124-910-11	ELECT	47uF	20%	50V
C503	1-125-486-11	DUBLE LAYERS	0.22F		5.5V
C504	1-161-055-00	CERAMIC	0.022uF	10%	50V
C505	1-161-051-00	CERAMIC	0.01uF	10%	50V
C506	1-126-301-11	ELECT	1uF	20%	50V
C507	1-161-055-00	CERAMIC	0.022uF	10%	50V
C509	1-102-110-00	CERAMIC	220PF	10%	50V
C510	1-102-110-00	CERAMIC	220PF	10%	50V
C511	1-161-055-00	CERAMIC	0.022uF	10%	50V
C512	1-126-161-11	ELECT	2.2uF	20%	50V
C513	1-161-055-00	CERAMIC	0.022uF	10%	50V
C514	1-126-059-11	ELECT	10uF	20%	50V
C601	1-101-888-00	CERAMIC	68PF	5%	50V
C602	1-126-163-11	ELECT	4.7uF	20%	50V
C603	1-126-301-11	ELECT	1uF	20%	50V
C604	1-130-489-00	MYLAR	0.033uF	5%	50V
C607	1-124-464-11	ELECT	0.22uF	20%	50V
C608	1-126-300-11	ELECT	0.47uF	20%	50V
C609	1-126-163-11	ELECT	4.7uF	20%	50V
C610	1-126-163-11	ELECT	4.7uF	20%	50V
C611	1-162-282-31	CERAMIC	100PF	10%	50V
C612	1-126-163-11	ELECT	4.7uF	20%	50V
C613	1-126-163-11	ELECT	4.7uF	20%	50V
C643	1-126-163-11	ELECT	4.7uF	20%	50V
C644	1-126-163-11	ELECT	4.7uF	20%	50V
C645	1-126-163-11	ELECT	4.7uF	20%	50V
C646	1-126-163-11	ELECT	4.7uF	20%	50V
C651	1-101-888-00	CERAMIC	68PF	5%	50V
C652	1-126-163-11	ELECT	4.7uF	20%	50V
C653	1-126-301-11	ELECT	1uF	20%	50V
C654	1-130-489-00	MYLAR	0.033uF	5%	50V
C657	1-124-464-11	ELECT	0.22uF	20%	50V
C658	1-126-300-11	ELECT	0.47uF	20%	50V
C659	1-126-163-11	ELECT	4.7uF	20%	50V
C660	1-126-163-11	ELECT	4.7uF	20%	50V
C661	1-162-282-31	CERAMIC	100PF	10%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C662	1-126-163-11	ELECT	4.7uF	20%	50V
C663	1-126-163-11	ELECT	4.7uF	20%	50V
C721	1-136-165-00	FILM	0.1uF	5%	50V
C722	1-130-491-00	MYLAR	0.047uF	5%	50V
C723	1-126-012-11	ELECT	470uF	20%	16V
C724	1-126-059-11	ELECT	10uF	20%	50V
C771	1-136-165-00	FILM	0.1uF	5%	50V
C772	1-130-491-00	MYLAR	0.047uF	5%	50V
C801	1-125-479-11	ELECT	10000uF	20%	63V
C802	1-106-367-00	MYLAR	0.01uF	5%	200V
C803	1-106-367-00	MYLAR	0.01uF	5%	200V
C804	1-106-367-00	MYLAR	0.01uF	5%	200V
C805	1-106-367-00	MYLAR	0.01uF	5%	200V
C806	1-126-059-11	ELECT	10uF	20%	50V
C807	1-126-059-11	ELECT	10uF	20%	50V
C831	1-124-962-11	ELECT	2200uF	20%	25V
C832	1-106-367-00	MYLAR	0.01uF	5%	200V
C833	1-161-055-00	CERAMIC	0.022uF	10%	50V
C834	1-161-055-00	CERAMIC	0.022uF	10%	50V
C835	1-124-910-11	ELECT	47uF	20%	50V
C837	1-161-055-00	CERAMIC	0.022uF	10%	50V
C838	1-124-910-11	ELECT	47uF	20%	50V
C851	1-125-479-11	ELECT	10000uF	20%	63V
C852	1-124-962-11	ELECT	2200uF	20%	25V
C853	1-124-962-11	ELECT	2200uF	20%	25V
C881	1-124-962-11	ELECT	2200uF	20%	25V
C882	1-106-367-00	MYLAR	0.01uF	5%	200V
C883	1-161-055-00	CERAMIC	0.022uF	10%	50V

〈 CONNECTOR 〉

CNP401	* 1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P	
CNP501	* 1-506-710-11	PLUG, CONNECTOR (2.5MM) 8P	
CNP502	* 1-506-709-11	PLUG, CONNECTOR (2.5MM) 7P	
CNP503	* 1-564-779-11	PLUG, CONNECTOR (2.5MM) 6P	
CNP504	* 1-506-608-11	PIN, CONNECTOR 10P	
CNP505	* 1-560-532-00	PIN, CONNECTOR 7P	
CNP506	1-569-596-11	PLUG, CONNECTOR (2.5MM) 3P	
CNP601	* 1-506-710-11	PLUG, CONNECTOR (2.5MM) 8P	
CNP602	* 1-506-707-21	PLUG, CONNECTOR (2.5MM) 3P	
CNP603	* 1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P	
CNP802	* 1-564-779-11	PLUG, CONNECTOR (2.5MM) 6P	

〈 DIODE 〉

D301	8-719-987-63	DIODE 1N4148M
D501	8-719-109-89	DIODE RD5.6ES-B2
D502	8-719-987-63	DIODE 1N4148M
D503	8-719-987-63	DIODE 1N4148M
D506	8-719-987-63	DIODE 1N4148M
D507	8-719-987-63	DIODE 1N4148M
D508	8-719-987-63	DIODE 1N4148M
D510	8-719-987-63	DIODE 1N4148M
D601	8-719-987-63	DIODE 1N4148M
D602	8-719-987-63	DIODE 1N4148M
D603	8-719-987-63	DIODE 1N4148M
D604	8-719-987-63	DIODE 1N4148M
D605	8-719-987-63	DIODE 1N4148M
D606	8-719-109-81	DIODE RD4.7ES-B2
D651	8-719-987-63	DIODE 1N4148M
D652	8-719-987-63	DIODE 1N4148M
D653	8-719-987-63	DIODE 1N4148M
D654	8-719-987-63	DIODE 1N4148M
D655	8-719-987-63	DIODE 1N4148M
D656	8-719-109-81	DIODE RD4.7ES-B2
D701	8-719-987-63	DIODE 1N4148M
D702	8-719-987-63	DIODE 1N4148M
D703	8-719-987-63	DIODE 1N4148M
D704	8-719-987-63	DIODE 1N4148M
D751	8-719-987-63	DIODE 1N4148M
D801	8-719-302-37	DIODE RBV-602
D802	8-719-934-23	DIODE HZS30-3L
D831	8-719-200-82	DIODE 11ES2
D832	8-719-200-82	DIODE 11ES2
D833	8-719-200-82	DIODE 11ES2
D834	8-719-200-82	DIODE 11ES2
D851	8-719-504-60	DIODE S4VB60

〈 FUSE 〉

F851	⚠	1-576-107-11	FUSE
F852	⚠	1-576-107-11	FUSE

〈 IC 〉

IC301	8-759-634-50	IC M5218AL
IC306	8-759-805-14	IC LC7822
IC307	8-759-805-14	IC LC7822
IC401	8-759-634-50	IC M5218AL
IC402	8-759-634-50	IC M5218AL
IC403	8-759-634-50	IC M5218AL
IC404	8-759-801-01	IC LC4966
IC405	8-759-823-63	IC LV1001M
IC406	8-759-821-13	IC LM3364K-15
IC501	8-759-820-62	IC LB1639
IC502	8-759-155-28	IC uPD75517GF-022-3B9
IC601	8-759-634-50	IC M5218AL
IC602	8-759-634-50	IC M5218AL
IC603	8-759-634-50	IC M5218AL
IC642	8-759-634-51	IC M5218AP
IC643	8-759-820-11	IC LC7535

〈 JACK 〉

JP304	*	1-573-028-11	JACK, PIN 4P (TAPE 2 IN/OUT)

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description	Remark
		〈 INDUCTOR 〉	
L401	1-410-521-11	INDUCTOR 100uH	
L501	1-410-521-11	INDUCTOR 100uH	
L701	* 1-420-872-00	COIL, AIR CORE	
L751	* 1-420-872-00	COIL, AIR CORE	
		〈 JACK 〉	
P301	1-580-826-11	JACK, PIN 6P (PHONE, CD, DAT OUT)	
P302	1-580-825-11	JACK, PIN 6P (DAT IN, TAPE 1 IN/OUT)	
P303	1-580-825-11	JACK, PIN 6P (VIDEO 2, VIDEO 1 IN/OUT)	
		〈 TRANSISTOR 〉	
Q301	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q303	8-729-900-80	TRANSISTOR DTC114ES	
Q351	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q403	8-729-209-15	TRANSISTOR 2SD2012	
Q501	8-729-209-15	TRANSISTOR 2SD2012	
Q504	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q505	8-729-900-63	TRANSISTOR DTA124ES	
Q506	8-729-900-36	TRANSISTOR DTC124ES	
Q510	8-729-900-63	TRANSISTOR DTA124ES	
Q511	8-729-900-36	TRANSISTOR DTC124ES	
Q512	8-729-900-63	TRANSISTOR DTA124ES	
Q513	8-729-900-36	TRANSISTOR DTC124ES	
Q514	8-729-900-36	TRANSISTOR DTC124ES	
Q515	8-729-900-36	TRANSISTOR DTC124ES	
Q516	8-729-900-63	TRANSISTOR DTA124ES	
Q517	8-729-900-63	TRANSISTOR DTA124ES	
Q518	8-729-900-63	TRANSISTOR DTA124ES	
Q520	8-729-900-63	TRANSISTOR DTA124ES	
Q601	8-729-202-67	TRANSISTOR 2SK246GR3	
Q602	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q603	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q604	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q641	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q651	8-729-202-67	TRANSISTOR 2SK246GR3	
Q652	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q653	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q654	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q701	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q702	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q703	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q704	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q705	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q751	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q801	8-729-141-89	TRANSISTOR 2SD1585-LK	
		〈 RESISTOR 〉	
R301	1-249-411-11	CARBON 330 5% 1/4W	
R302	1-249-417-11	CARBON 1K 5% 1/4W	
R303	1-249-417-11	CARBON 1K 5% 1/4W	
R304	1-249-417-11	CARBON 1K 5% 1/4W	
R305	1-249-417-11	CARBON 1K 5% 1/4W	
R306	1-249-417-11	CARBON 1K 5% 1/4W	
R307	1-249-417-11	CARBON 1K 5% 1/4W	
R308	1-249-417-11	CARBON 1K 5% 1/4W	
R309	1-249-417-11	CARBON 1K 5% 1/4W	
R310	1-249-417-11	CARBON 1K 5% 1/4W	
R311	1-249-417-11	CARBON 1K 5% 1/4W	
R317	1-249-437-11	CARBON 47K 5% 1/4W	
R321	1-249-441-11	CARBON 100K 5% 1/4W	
R322	1-249-441-11	CARBON 100K 5% 1/4W	
R323	1-249-415-11	CARBON 680 5% 1/4W	
R324	1-247-897-11	CARBON 560K 5% 1/4W	
R325	1-249-437-11	CARBON 47K 5% 1/4W	
R326	1-249-441-11	CARBON 100K 5% 1/4W	
R327	1-249-409-11	CARBON 220 5% 1/4W	
R328	1-249-405-11	CARBON 100 5% 1/4W	
R329	1-249-405-11	CARBON 100 5% 1/4W	
R332	1-249-405-11	CARBON 100 5% 1/4W	
R333	1-249-421-11	CARBON 2.2K 5% 1/4W	
R334	1-249-425-11	CARBON 4.7K 5% 1/4W	
R335	1-249-437-11	CARBON 47K 5% 1/4W	
R336	1-249-437-11	CARBON 47K 5% 1/4W	
R351	1-249-411-11	CARBON 330 5% 1/4W	
R352	1-249-417-11	CARBON 1K 5% 1/4W	
R353	1-249-417-11	CARBON 1K 5% 1/4W	
R354	1-249-417-11	CARBON 1K 5% 1/4W	
R355	1-249-417-11	CARBON 1K 5% 1/4W	
R356	1-249-417-11	CARBON 1K 5% 1/4W	
R357	1-249-417-11	CARBON 1K 5% 1/4W	
R358	1-249-417-11	CARBON 1K 5% 1/4W	
R359	1-249-417-11	CARBON 1K 5% 1/4W	
R360	1-249-417-11	CARBON 1K 5% 1/4W	
R361	1-249-417-11	CARBON 1K 5% 1/4W	
R367	1-249-437-11	CARBON 47K 5% 1/4W	
R371	1-249-441-11	CARBON 100K 5% 1/4W	
R372	1-249-441-11	CARBON 100K 5% 1/4W	
R373	1-249-415-11	CARBON 680 5% 1/4W	
R374	1-247-897-11	CARBON 560K 5% 1/4W	
R375	1-249-437-11	CARBON 47K 5% 1/4W	
R376	1-249-441-11	CARBON 100K 5% 1/4W	
R377	1-249-409-11	CARBON 220 5% 1/4W	
R382	1-249-405-11	CARBON 100 5% 1/4W	
R383	1-249-421-11	CARBON 2.2K 5% 1/4W	
R401	1-247-887-00	CARBON 220K 5% 1/4W	
R402	1-247-887-00	CARBON 220K 5% 1/4W	
R403	1-249-417-11	CARBON 1K 5% 1/4W	
R404	1-249-429-11	CARBON 10K 5% 1/4W	
R405	1-249-429-11	CARBON 10K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description				Remark
R406	1-249-429-11	CARBON	10K	5%	1/4W	
R407	1-249-429-11	CARBON	10K	5%	1/4W	
R408	1-247-895-00	CARBON	470K	5%	1/4W	
R409	1-249-429-11	CARBON	10K	5%	1/4W	
R410	1-249-429-11	CARBON	10K	5%	1/4W	
R411	1-249-441-11	CARBON	100K	5%	1/4W	
R414	1-247-903-00	CARBON	1M	5%	1/4W	
R415	1-249-437-11	CARBON	47K	5%	1/4W	
R416	1-249-423-11	CARBON	3.3K	5%	1/4W	
R417	1-249-428-11	CARBON	8.2K	5%	1/4W	
R418	1-249-428-11	CARBON	8.2K	5%	1/4W	
R419	1-249-431-11	CARBON	15K	5%	1/4W	
R420	1-249-428-11	CARBON	8.2K	5%	1/4W	
R423	1-249-425-11	CARBON	4.7K	5%	1/4W	
R424	1-249-430-11	CARBON	12K	5%	1/4W	
R428	1-249-436-11	CARBON	39K	5%	1/4W	
R429	1-249-419-11	CARBON	1.5K	5%	1/4W	
R430	1-249-428-11	CARBON	8.2K	5%	1/4W	
R451	1-247-887-00	CARBON	220K	5%	1/4W	
R452	1-247-887-00	CARBON	220K	5%	1/4W	
R453	1-249-417-11	CARBON	1K	5%	1/4W	
R454	1-249-429-11	CARBON	10K	5%	1/4W	
R455	1-249-429-11	CARBON	10K	5%	1/4W	
R456	1-247-887-00	CARBON	220K	5%	1/4W	
R457	1-247-887-00	CARBON	220K	5%	1/4W	
R458	1-247-895-00	CARBON	470K	5%	1/4W	
R459	1-249-429-11	CARBON	10K	5%	1/4W	
R460	1-249-429-11	CARBON	10K	5%	1/4W	
R461	1-249-441-11	CARBON	100K	5%	1/4W	
R479	1-249-419-11	CARBON	1.5K	5%	1/4W	
R501	1-249-437-11	CARBON	47K	5%	1/4W	
R502	1-249-437-11	CARBON	47K	5%	1/4W	
R503	1-249-387-11	CARBON	3.3	5%	1/4W	
R504	1-249-417-11	CARBON	1K	5%	1/4W	
R506	1-249-405-11	CARBON	100	5%	1/4W	
R507	1-249-437-11	CARBON	47K	5%	1/4W	
R508	1-249-437-11	CARBON	47K	5%	1/4W	
R509	1-249-426-11	CARBON	5.6K	5%	1/4W	
R510	1-249-421-11	CARBON	2.2K	5%	1/4W	
R511	1-249-429-11	CARBON	10K	5%	1/4W	
R512	1-249-429-11	CARBON	10K	5%	1/4W	
R513	1-249-429-11	CARBON	10K	5%	1/4W	
R514	1-249-429-11	CARBON	10K	5%	1/4W	
R515	1-249-429-11	CARBON	10K	5%	1/4W	
R516	1-249-429-11	CARBON	10K	5%	1/4W	
R517	1-249-425-11	CARBON	4.7K	5%	1/4W	
R518	1-249-437-11	CARBON	47K	5%	1/4W	
R519	1-249-421-11	CARBON	2.2K	5%	1/4W	
R520	1-249-437-11	CARBON	47K	5%	1/4W	
R521	1-249-423-11	CARBON	3.3K	5%	1/4W	
R523	1-249-429-11	CARBON	10K	5%	1/4W	
R524	1-249-429-11	CARBON	10K	5%	1/4W	
R525	1-249-429-11	CARBON	10K	5%	1/4W	
R526	1-249-429-11	CARBON	10K	5%	1/4W	
R527	1-249-429-11	CARBON	10K	5%	1/4W	
R528	1-249-417-11	CARBON	1K	5%	1/4W	
R529	1-249-429-11	CARBON	10K	5%	1/4W	
R530	1-249-429-11	CARBON	10K	5%	1/4W	
R531	1-249-437-11	CARBON	47K	5%	1/4W	
R532	1-249-437-11	CARBON	47K	5%	1/4W	
R533	1-249-437-11	CARBON	47K	5%	1/4W	
R534	1-249-437-11	CARBON	47K	5%	1/4W	
R535	1-249-437-11	CARBON	47K	5%	1/4W	
R536	1-249-429-11	CARBON	10K	5%	1/4W	
R537	1-249-437-11	CARBON	47K	5%	1/4W	
R538	1-249-429-11	CARBON	10K	5%	1/4W	
R539	1-249-425-11	CARBON	4.7K	5%	1/4W	
R540	1-247-903-00	CARBON	1M	5%	1/4W	
R541	1-249-429-11	CARBON	10K	5%	1/4W	
R542	1-249-429-11	CARBON	10K	5%	1/4W	
R543	1-249-429-11	CARBON	10K	5%	1/4W	
R544	1-249-429-11	CARBON	10K	5%	1/4W	
R545	1-249-429-11	CARBON	10K	5%	1/4W	
R601	1-249-417-11	CARBON	1K	5%	1/4W	
R602	1-249-426-11	CARBON	5.6K	5%	1/4W	
R603	1-249-441-11	CARBON	100K	5%	1/4W	
R604	1-249-417-11	CARBON	1K	5%	1/4W	
R605	1-247-883-00	CARBON	150K	5%	1/4W	
R606	1-249-412-11	CARBON	390	5%	1/4W	
R607	1-249-427-11	CARBON	6.8K	5%	1/4W	
R608	1-247-903-00	CARBON	1M	5%	1/4W	
R609	1-249-421-11	CARBON	2.2K	5%	1/4W	
R610	1-249-432-11	CARBON	18K	5%	1/4W	
R611	1-249-417-11	CARBON	1K	5%	1/4W	
R612	1-249-405-11	CARBON	100	5%	1/4W	
R613	1-249-429-11	CARBON	10K	5%	1/4W	
R614	1-249-417-11	CARBON	1K	5%	1/4W	
R615	1-249-441-11	CARBON	100K	5%	1/4W	
R616	1-249-417-11	CARBON	1K	5%	1/4W	
R617	1-249-431-11	CARBON	15K	5%	1/4W	
R618	1-247-885-00	CARBON	180K	5%	1/4W	
R619	1-249-429-11	CARBON	10K	5%	1/4W	
R620	1-249-424-11	CARBON	3.9K	5%	1/4W	
R621	1-249-441-11	CARBON	100K	5%	1/4W	
R622	1-249-441-11	CARBON	100K	5%	1/4W	
R624	1-249-433-11	CARBON	22K	5%	1/4W	
R642	1-249-417-11	CARBON	1K	5%	1/4W	
R644	1-247-887-00	CARBON	220K	5%	1/4W	
R646	1-249-426-11	CARBON	5.6K	5%	1/4W	
R647	1-249-435-11	CARBON	33K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R648	1-249-405-11	CARBON	100	5%	1/4W	
R651	1-249-417-11	CARBON	1K	5%	1/4W	
R652	1-249-426-11	CARBON	5.6K	5%	1/4W	
R653	1-249-441-11	CARBON	100K	5%	1/4W	
R654	1-249-417-11	CARBON	1K	5%	1/4W	
R655	1-247-883-00	CARBON	150K	5%	1/4W	
R656	1-249-412-11	CARBON	390	5%	1/4W	
R657	1-249-427-11	CARBON	6.8K	5%	1/4W	
R658	1-247-903-00	CARBON	1M	5%	1/4W	
R659	1-249-421-11	CARBON	2.2K	5%	1/4W	
R660	1-249-432-11	CARBON	18K	5%	1/4W	
R661	1-249-417-11	CARBON	1K	5%	1/4W	
R662	1-249-405-11	CARBON	100	5%	1/4W	
R663	1-249-429-11	CARBON	10K	5%	1/4W	
R664	1-249-417-11	CARBON	1K	5%	1/4W	
R665	1-249-441-11	CARBON	100K	5%	1/4W	
R666	1-249-417-11	CARBON	1K	5%	1/4W	
R667	1-249-431-11	CARBON	15K	5%	1/4W	
R668	1-247-885-00	CARBON	180K	5%	1/4W	
R670	1-249-424-11	CARBON	3.9K	5%	1/4W	
R671	1-249-441-11	CARBON	100K	5%	1/4W	
R672	1-249-441-11	CARBON	100K	5%	1/4W	
R674	1-249-433-11	CARBON	22K	5%	1/4W	
R699	1-249-429-11	CARBON	10K	5%	1/4W	
R721	1-249-431-11	CARBON	15K	5%	1/4W	
R722	⚠ 1-247-727-11	CARBON	10	5%	1/2W	F
R723	1-249-433-11	CARBON	22K	5%	1/4W	
R724	1-247-768-00	CARBON	2.4	5%	1/4W	
R725	1-247-768-00	CARBON	2.4	5%	1/4W	
R726	1-249-435-11	CARBON	33K	5%	1/4W	
R727	1-249-435-11	CARBON	33K	5%	1/4W	
R728	1-249-427-11	CARBON	6.8K	5%	1/4W	
R729	1-249-405-11	CARBON	100	5%	1/4W	
R730	1-249-437-11	CARBON	47K	5%	1/4W	
R745	1-249-435-11	CARBON	33K	5%	1/4W	
R771	1-249-431-11	CARBON	15K	5%	1/4W	
R772	⚠ 1-247-727-11	CARBON	10	5%	1/2W	F
R773	1-249-433-11	CARBON	22K	5%	1/4W	
R774	1-247-768-00	CARBON	2.4	5%	1/4W	
R775	1-247-768-00	CARBON	2.4	5%	1/4W	
R776	1-249-435-11	CARBON	33K	5%	1/4W	
R801	1-249-409-11	CARBON	220	5%	1/4W	
R802	1-249-426-11	CARBON	5.6K	5%	1/4W	
R803	⚠ 1-216-427-00	METAL OXIDE	120	5%	1W	F
R831	1-249-385-11	CARBON	2.2	5%	1/6W	
R881	1-249-385-11	CARBON	2.2	5%	1/6W	
		〈 RELAY 〉				
RY301	1-515-726-11	RELAY				
RY701	1-515-732-11	RELAY				

Ref. No.	Part No.	Description				Remark
		〈 VIBRATOR 〉				
X401	1-567-132-00	RESONATOR, CERAMIC				8.00MHz
X501	1-577-101-11	VIBRATOR, CERAMIC				
**********						
	* A-4345-314-A	TUNER BOARD, COMPLETE (US, Canadian)				
	* A-4345-315-A	TUNER BOARD, COMPLETE (UK)				
		**********				
		〈 CAPACITOR 〉				
C1	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
C2	1-124-477-11	ELECT	47uF	20%	25V	
C3	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C4	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
C5	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C10	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
C21	1-161-021-11	CERAMIC	0.047uF	10%	25V	
C22	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C23	1-124-477-11	ELECT	47uF	20%	25V	
C24	1-123-382-00	ELECT	3.3uF	20%	100V	
C25	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C26	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V	
C27	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C28	1-124-903-11	ELECT	1uF	20%	50V	
C30	1-124-903-11	ELECT	1uF	20%	50V	
C31	1-124-902-00	ELECT	0.47uF	20%	50V	
C32	1-124-463-00	ELECT	0.1uF	20%	50V	
C33	1-130-481-00	MYLAR	0.0068uF 5%	50V	(UK)	
C33	1-130-482-00	MYLAR	0.0082uF 5%	50V	(US, Canadian)	
C34	1-123-382-00	ELECT	3.3uF	20%	100V	
C35	1-130-481-00	MYLAR	0.0068uF 5%	50V	(UK)	
C35	1-130-482-00	MYLAR	0.0082uF 5%	50V	(US, Canadian)	
C36	1-123-382-00	ELECT	3.3uF	20%	100V	
C37	1-124-907-11	ELECT	10uF	20%	50V	
C39	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C40	1-124-463-00	ELECT	0.1uF	20%	50V	
C41	1-124-927-11	ELECT	4.7uF	20%	100V	
C42	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C43	1-126-176-11	ELECT	220uF	20%	10V	
C44	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C45	1-123-382-00	ELECT	3.3uF	20%	100V	
C46	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	
C48	1-123-382-00	ELECT	3.3uF	20%	100V	
C49	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	
C51	1-124-477-11	ELECT	47uF	20%	25V	
C61	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
C62	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
C63	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
C64	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

TUNER

Ref. No.	Part No.	Description			Remark
C81	1-102-961-00	CERAMIC	27PF	5%	50V
C82	1-102-961-00	CERAMIC	27PF	5%	50V
C83	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C84	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C85	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C86	1-124-477-11	ELECT	47uF	20%	25V
C87	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C101	1-124-925-11	ELECT	2.2uF	20%	100V
C102	1-124-463-00	ELECT	0.1uF	20%	50V
C104	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C105	1-124-477-11	ELECT	47uF	20%	25V
		〈 FILTER 〉			
CF1	1-567-389-11	FILTER, CERAMIC			
CF2	1-567-389-11	FILTER, CERAMIC			
CF21	1-577-075-11	OSCILLATOR, CERAMIC			
		〈 TRANSFORMER 〉			
CFT21	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)			
		〈 CONNECTOR 〉			
CNJ1	* 1-565-486-11	CONNECTOR, BOARD TO BOARD 10P			
CNJ2	* 1-565-483-11	CONNECTOR, BOARD TO BOARD 7P			
		〈 FRONT END 〉			
FE1	1-465-006-11	FRONT END (FM) (2 GANG)			
FE61	1-236-461-11	ENCAPSULATED COMPONENT			
		〈 IC 〉			
IC21	8-759-821-45	IC LA1851N			
IC81	8-759-820-91	IC LC7218			
		〈 INDUCTOR 〉			
L21	1-410-494-11	INDUCTOR	1MMH		
		〈 FILTER 〉			
LPF21	1-235-164-00	FILTER, LOW PASS			
LPF22	1-235-164-00	FILTER, LOW PASS			
		〈 TRANSISTOR 〉			
Q1	8-729-230-XX	TRANSISTOR 2SC2669OY			
Q21	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q22	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q23	8-729-900-61	TRANSISTOR DTA114ES			
Q24	8-729-900-80	TRANSISTOR DTC114ES			
Q25	8-729-900-80	TRANSISTOR DTC114ES			
Q81	8-729-900-61	TRANSISTOR DTA114ES			
Q82	8-729-900-80	TRANSISTOR DTC114ES			
Q83	8-729-202-67	TRANSISTOR 2SK246GR3			
Q84	8-729-230-93	TRANSISTOR 2SC3113-AB			

Ref. No.	Part No.	Description			Remark
		〈 RESISTOR 〉			
R1	1-249-401-11	CARBON	47	5%	1/4W
R4	1-216-013-00	METAL CHIP	33	5%	1/10W
R5	1-216-013-00	METAL CHIP	33	5%	1/10W
R6	1-216-037-00	METAL CHIP	330	5%	1/10W
R7	1-216-109-00	METAL CHIP	330K	5%	1/10W
R21	1-249-404-00	CARBON	82	5%	1/4W
R22	1-216-081-00	METAL CHIP	22K	5%	1/10W (UK)
R22	1-247-724-11	CARBON	8.2K	5%	1/4W (US, Canadian)
R23	1-216-049-00	METAL CHIP	1K	5%	1/10W
R24	1-216-085-00	METAL CHIP	33K	5%	1/10W
R25	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R27	1-249-461-11	CARBON	18K	5%	1/4W
R28	1-247-719-11	CARBON	3.3K	5%	1/4W
R29	1-216-073-00	METAL CHIP	10K	5%	1/10W
R31	1-216-041-00	METAL CHIP	470	5%	1/10W
R32	1-216-073-00	METAL CHIP	10K	5%	1/10W
R33	1-216-073-00	METAL CHIP	10K	5%	1/10W
R34	1-249-465-11	CARBON	47K	5%	1/4W
R35	1-216-089-00	METAL CHIP	47K	5%	1/10W
R37	1-216-109-00	METAL CHIP	330K	5%	1/10W
R39	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R40	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R41	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R42	1-216-109-00	METAL CHIP	330K	5%	1/10W
R44	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R45	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R46	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R47	1-249-409-11	CARBON	220	5%	1/4W
R61	1-216-097-00	METAL CHIP	100K	5%	1/10W
R62	1-216-089-00	METAL CHIP	47K	5%	1/10W
R63	1-216-009-00	METAL CHIP	22	5%	1/10W
R81	1-216-049-00	METAL CHIP	1K	5%	1/10W
R82	1-216-049-00	METAL CHIP	1K	5%	1/10W
R83	1-216-049-00	METAL CHIP	1K	5%	1/10W
R84	1-216-049-00	METAL CHIP	1K	5%	1/10W
R85	1-216-073-00	METAL CHIP	10K	5%	1/10W
R86	1-216-049-00	METAL CHIP	1K	5%	1/10W
R87	1-216-073-00	METAL CHIP	10K	5%	1/10W
R88	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R89	1-216-049-00	METAL CHIP	1K	5%	1/10W
R90	1-216-073-00	METAL CHIP	10K	5%	1/10W
R91	1-216-049-00	METAL CHIP	1K	5%	1/10W
R92	1-249-401-11	CARBON	47	5%	1/4W
R101	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R102	1-216-043-00	METAL CHIP	560	5%	1/10W
R103	1-216-049-00	METAL CHIP	1K	5%	1/10W
R104	1-216-035-00	METAL CHIP	270	5%	1/10W
R105	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R106	1-216-057-00	METAL CHIP	2.2K	5%	1/10W

TUNER | PT | REGULATOR | SURROUND

Ref.No.	Part No.	Description				Remark
R107	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R108	1-216-025-00	METAL CHIP	100	5%	1/10W	
R109	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R110	1-249-405-11	CARBON	100	5%	1/4W	
		〈 VARIABLE RESISTOR 〉				
RV21	1-238-015-11	RES, ADJ, CARBON 4.7K				
RV24	1-238-016-11	RES, ADJ, CARBON 10K				
RV25	1-238-016-11	RES, ADJ, CARBON 10K				
		〈 TRANSFORMER 〉				
T21	1-404-880-11	TRANSFORMER, DISCRIMINATOR				
		〈 TERMINAL 〉				
TM1	* 1-537-264-11	TERMINAL BOARD (US, Canadian)				
TM1	* 1-537-288-11	TERMINAL BOARD (PAL) (UK)				
		〈 CONNENCTOR 〉				
TP1	* 1-560-060-00	PIN, CONNECTOR 2P				
		〈 VIBLATOR 〉				
XT81	1-577-126-11	VIBRATOR, CRYSTAL				
**********						
	* 1-638-583-11	PT BOARD				
		********				
	1-533-217-31	HOLDER, FUSE				
		〈 CONNECTOR 〉				
CNP851	* 1-506-680-11	PLUG, CONNECTOR (2.5MM) 3P				
		〈 FUSE 〉				
F851	⚠ 1-576-107-11	FUSE 3.15A 125V (US, Canadian)				
F852	⚠ 1-576-107-11	FUSE 3.15A 125V (US, Canadian)				
**********						
	* 1-638-584-11	REGULATOR BOARD				
		**********				
		〈 IC 〉				
IC831	8-759-604-39	IC M5F78M12L				
IC881	8-759-604-45	IC M5F79M12L				
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Ref.No.	Part No.	Description				Remark
	* 1-638-585-11	SURROUND BOARD				
		**********				
		〈 CAPACITOR 〉				
C731	1-126-163-11	ELECT	4.7uF	20%	50V	
C732	1-102-106-00	CERAMIC	100PF	10%	50V	
C733	1-102-106-00	CERAMIC	100PF	10%	50V	
C734	1-126-163-11	ELECT	4.7uF	20%	50V	
C735	1-162-195-31	CERAMIC	4.7PF	10%	50V	
C736	1-126-059-11	ELECT	10uF	20%	50V	
C737	1-126-059-11	ELECT	10uF	20%	50V	
C738	1-136-165-00	FILM	0.1uF	5%	50V	
C739	1-130-487-00	MYLAR	0.022uF	5%	50V	
		〈 CONNECTOR 〉				
CNP730	* 1-506-710-11	PLUG, CONNECTOR (2.5MM) 8P				
		〈 DIODE 〉				
D731	8-719-987-63	DIODE 1N4148M				
		〈 IC 〉				
IC731	8-759-502-33	IC SI-18752				
		〈 COIL 〉				
L731	* 1-420-872-00	COIL, AIR CORE				
		〈 TRANSISTOR 〉				
Q731	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
		〈 RESISTOR 〉				
R731	1-249-417-11	CARBON	1K	5%	1/4W	
R732	1-249-439-11	CARBON	68K	5%	1/4W	
R733	1-249-419-11	CARBON	1.5K	5%	1/4W	
R734	1-249-439-11	CARBON	68K	5%	1/4W	
R735	1-249-417-11	CARBON	1K	5%	1/4W	
R736	1-249-431-11	CARBON	15K	5%	1/4W	
R737	1-217-151-00	RES, METAL PLATE 0.22				
R738	1-249-393-11	CARBON	10	5%	1/4W	
R739	1-247-768-00	CARBON	2.4	5%	1/4W	
R740	1-247-768-00	CARBON	2.4	5%	1/4W	
R741	1-249-433-11	CARBON	22K	5%	1/4W	
R742	1-249-435-11	CARBON	33K	5%	1/4W	
**********						

Note:
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Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

ADAPTOR

Ref. No.	Part No.	Description	Remark
	* 1-639-512-11	ADAPTOR BOARD	
		**********	
		〈 CONNECTOR 〉	
CNP604	* 1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P	
		〈 JACK 〉	
P601	* 1-573-028-11	JACK, PIN 4P (ADAPTOR IN/OUT)	
		**********	
		MISCCERANEUS	
		**********	
52	1-572-291-11	SWITCH, ROTARY SLIDE	
56	⚠ 1-551-478-00	CORD, POWER (US, Canadian)	
56	⚠ 1-556-035-00	CORD, POWER (UK)	
58	1-535-706-11	PLUG, JUMPER	
CNJ901	⚠ 1-526-751-00	OUTLET, AC (UK)	
T802	⚠ 1-450-426-11	TRANSFORMER, POWER (US)	
T802	⚠ 1-450-427-11	TRANSFORMER, POWER (Canadian)	
T802	⚠ 1-450-428-11	TRANSFORMER, POWER (UK)	
		**********	
		ACCESSORYS AND PACKING MATERIALS	
		**********	
	1-465-423-11	REMOTE COMMANDER (RM-S103) (US, Canadian)	
	1-465-810-11	COMMANDER, STANDARD (RM-P311) (UK)	
	1-501-369-11	ANTENNA (UK)	
	1-501-374-11	ANTENNA, LOOP	
	2-181-754-01	COVER, BATTERY (FOR RM-S103) (US, Canadian)	
	3-753-197-21	MANUAL, INSTRUCTION	
	3-753-197-31	MANUAL, INSTRUCTION (Canadian)	
	3-753-197-41	MANUAL, INSTRUCTION (UK)	
	4-925-079-01	COVER (6), BATTERY (UK)	
	* 3-704-350-01	SHEET (STANDARD), PROTECTION	
	* 4-943-615-01	CUSHION	
	* 4-945-406-01	INDIVIDUAL CARTON	
		**********	

HARDWARE LIST

#1	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S (US, Canadian)
#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
#3	7-682-548-04	SCREW +BVTT 3X8 (S)
#4	7-682-548-09	SCREW +BVTT 3X8 (S)
#5	7-682-550-04	SCREW +BVTT 3X12 (S)
#6	7-682-552-04	SCREW +BVTT 3X16 (S)
#7	7-682-561-04	SCREW +BVTT 4X8 (S)

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le neméro spécifié.

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SONY
SERVICE MANUAL

US Model
Canadian Model
UK Model

CORRECTION-1

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
36		*1-638-590-11	STAND BY BOARD	*A-4341-934-A	STAND-BY BOARD, COMPLETE (US, Canadian)
				☛ *A-4345-317-A	STAND-BY BOARD, COMPLETE (UK)

9-956-417-91

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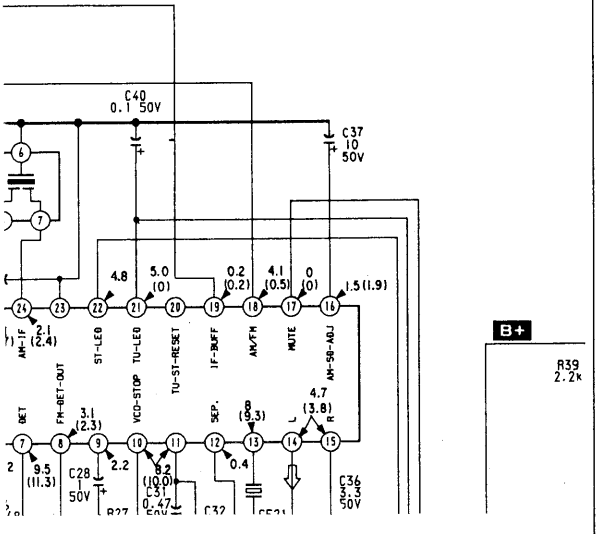
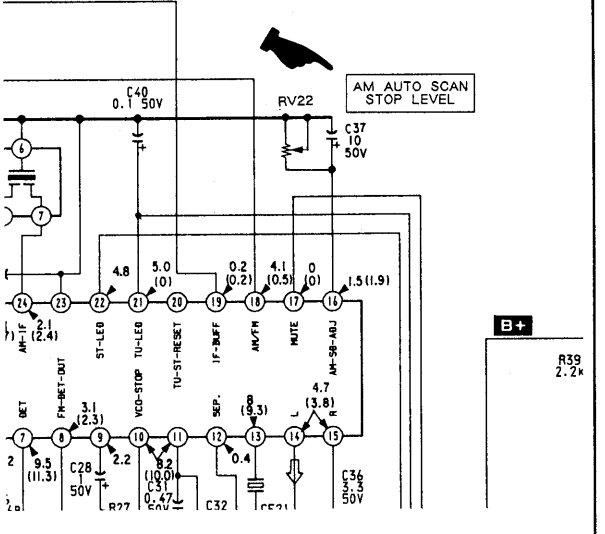
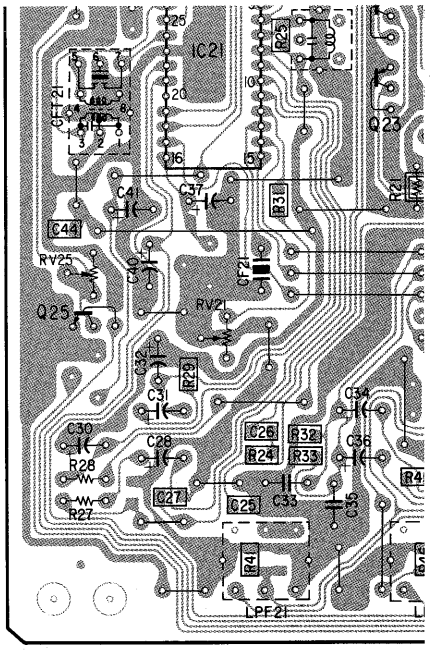
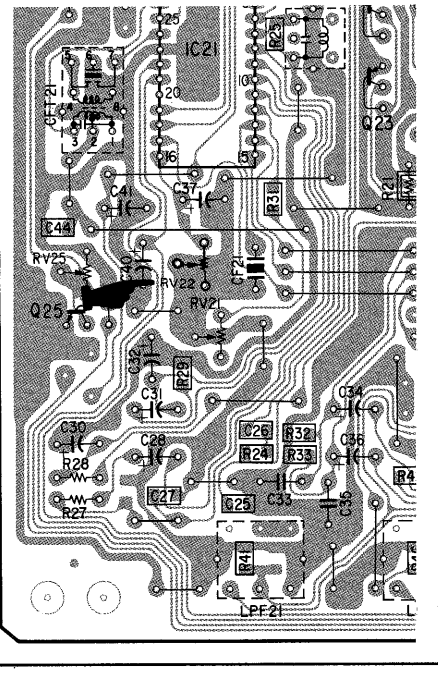
SERVICE MANUAL

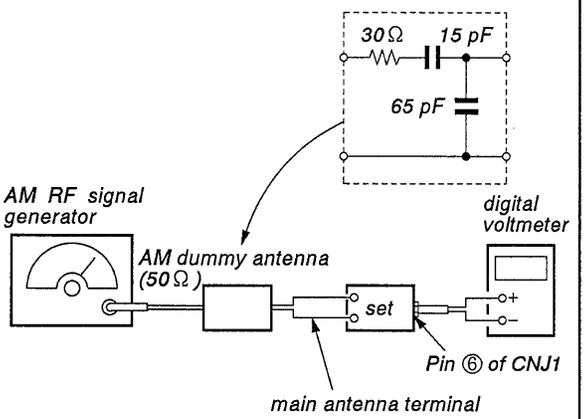
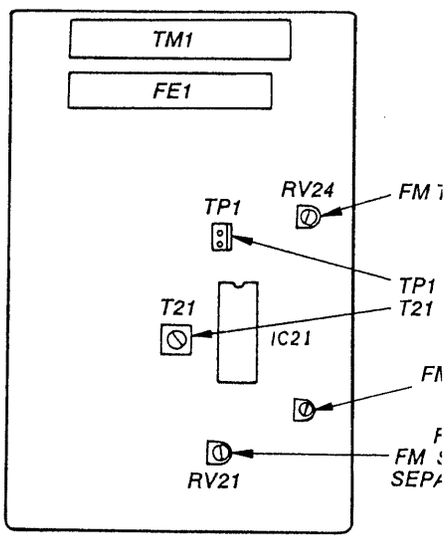
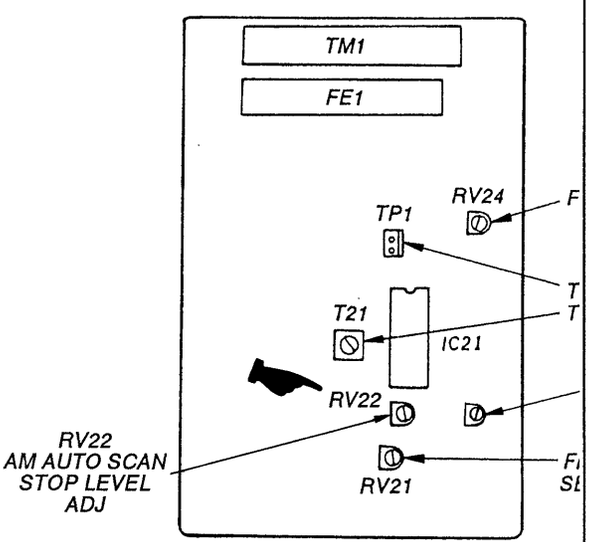
US Model
Canadian Model
UK Model

CORRECTION-2

Please correct your service manual.

☛ : Corrected portion

Page	Incorrect	Correct
28	Location: C-9 to E-11 	Location: C-9 to E-11 
29	Location: I-2 to N-5 	Location: I-2 to N-5 

Page	Incorrect	Correct
	———	**AM Auto Scan Stop Level Adjustment** **Setting:** BAND switch : AM  *Carrier frequency: 1,050 kHz* *30% amplituede modulation by 400 Hz signal* *Output level: 60 dB (1 mV)* **Procedure:** 1. Tune the set to 1,050 kHz. 2. Adjust RV22 for 0 V reading on the digital voltmeter. ※ Confirm the auto scanning is stopped at the station received. **Adjustment Location:** Tuner board
7		
43	Ref. No. Part No. Description ——— ——— ———	Ref. No. Part No. Description RV22 1-238-017-11 RES, ADJ, CARBON 22k

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